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PATENT & TRADEMARK OFFICE

217 G#4

PATENT APPLICATION
Attorney Docket No. D/A1320
Application No.: 09/683,238

CERTIFICATE OF MAILING
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:
Commissioner for Patents
Washington, D.C. 20231

On: 4/11/03

Typed or printed name of person signing this certificate
Lisa Andreasen

Signature: Lisa Andreasen

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Technology Center 2100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: James G. Shanahan et al.) Art Unit: 2176
Appl. No.: 09/683,238) Examiner: Not yet assigned
Filed: December 5, 2001)

Title: META-DOCUMENT MANAGEMENT SYSTEM WITH PERSONALITY IDENTIFIERS

Commissioner for Patents
Washington, D.C. 20231

LETTER TO CHIEF DRAFTSPERSON

Sir:

Enclosed are sixty-nine (69) sheets of formal drawings depicting Figures 1-68. Please substitue these drawings for those currently on file in the subject application.

Respectfully submitted,

Thomas Zell

Thomas Zell
Attorney for Applicant(s)
Registration No. 37,481
Telephone: 650-812-4282

Xerox Corporation
Grenoble, France
Date: 04/04/03

OIPE JC18
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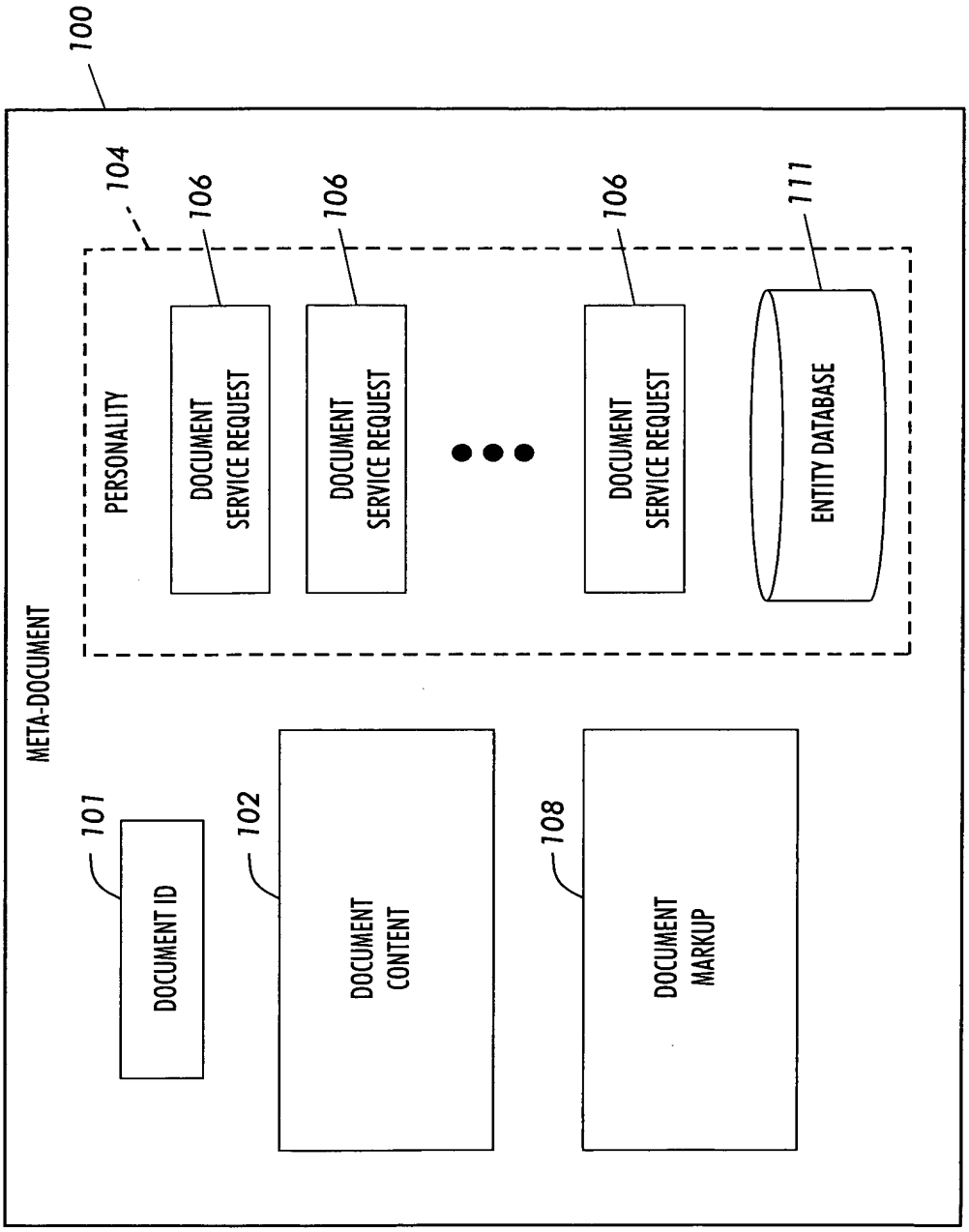

FIG. 1

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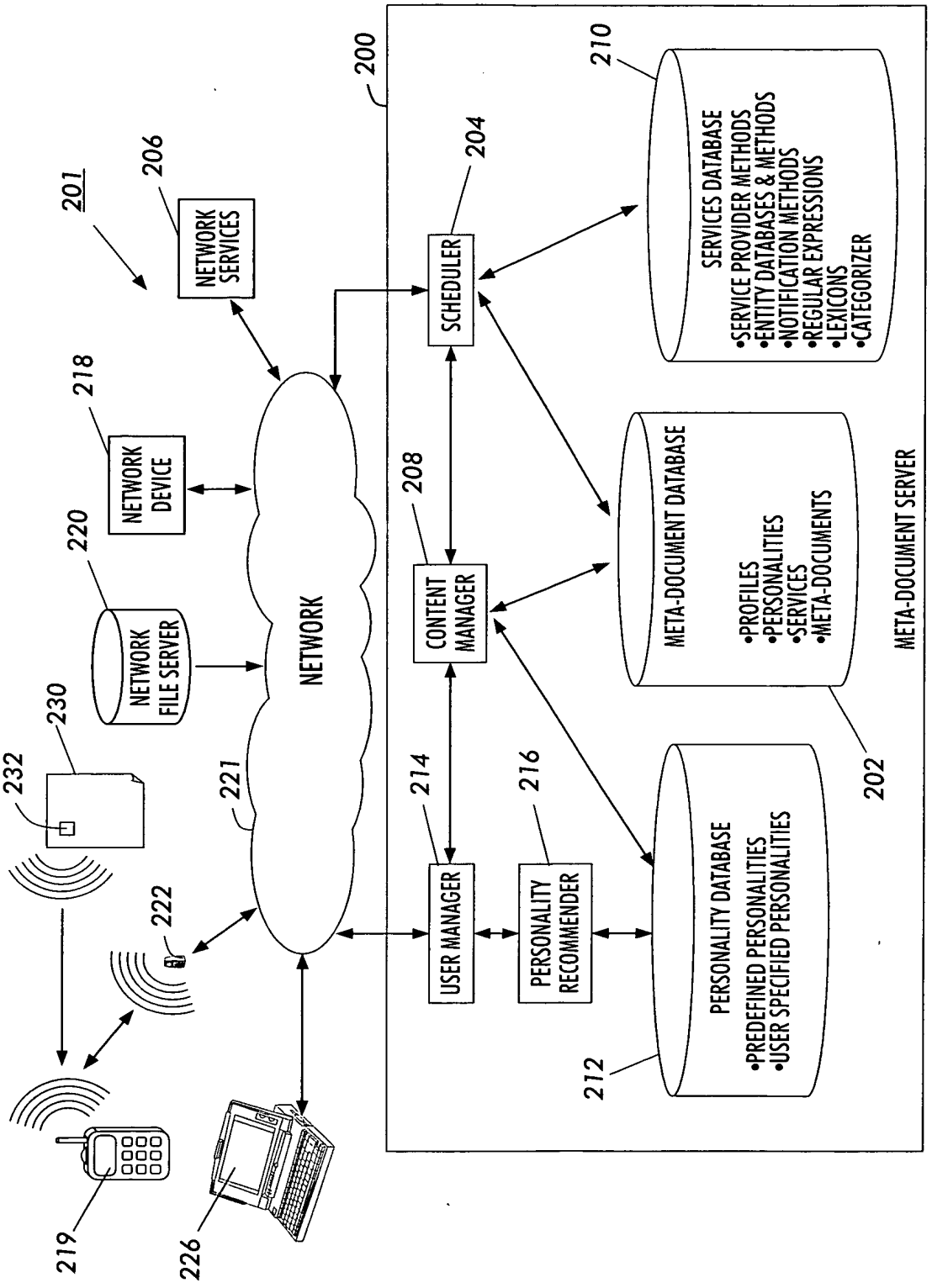

FIG. 2

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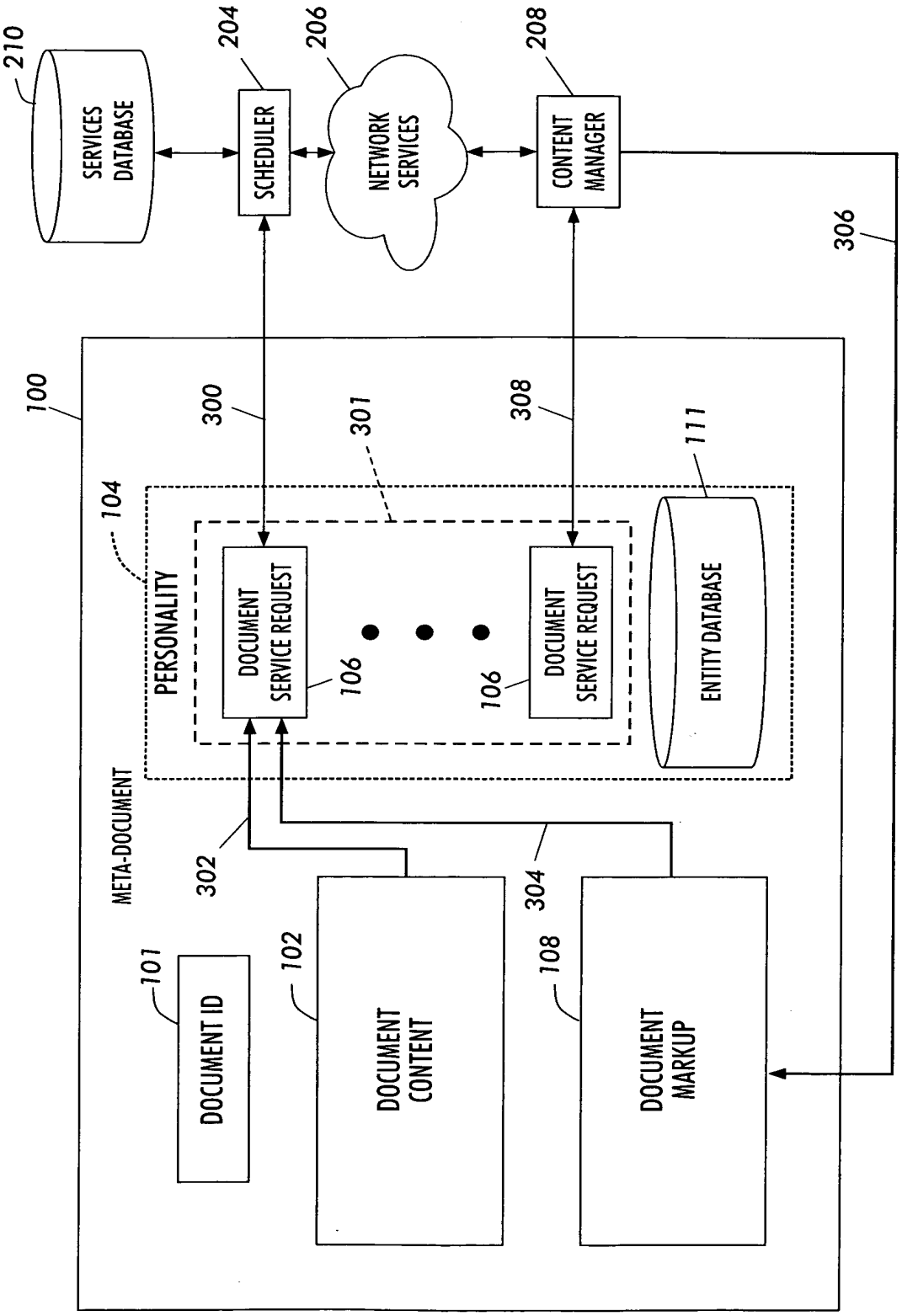

FIG. 3

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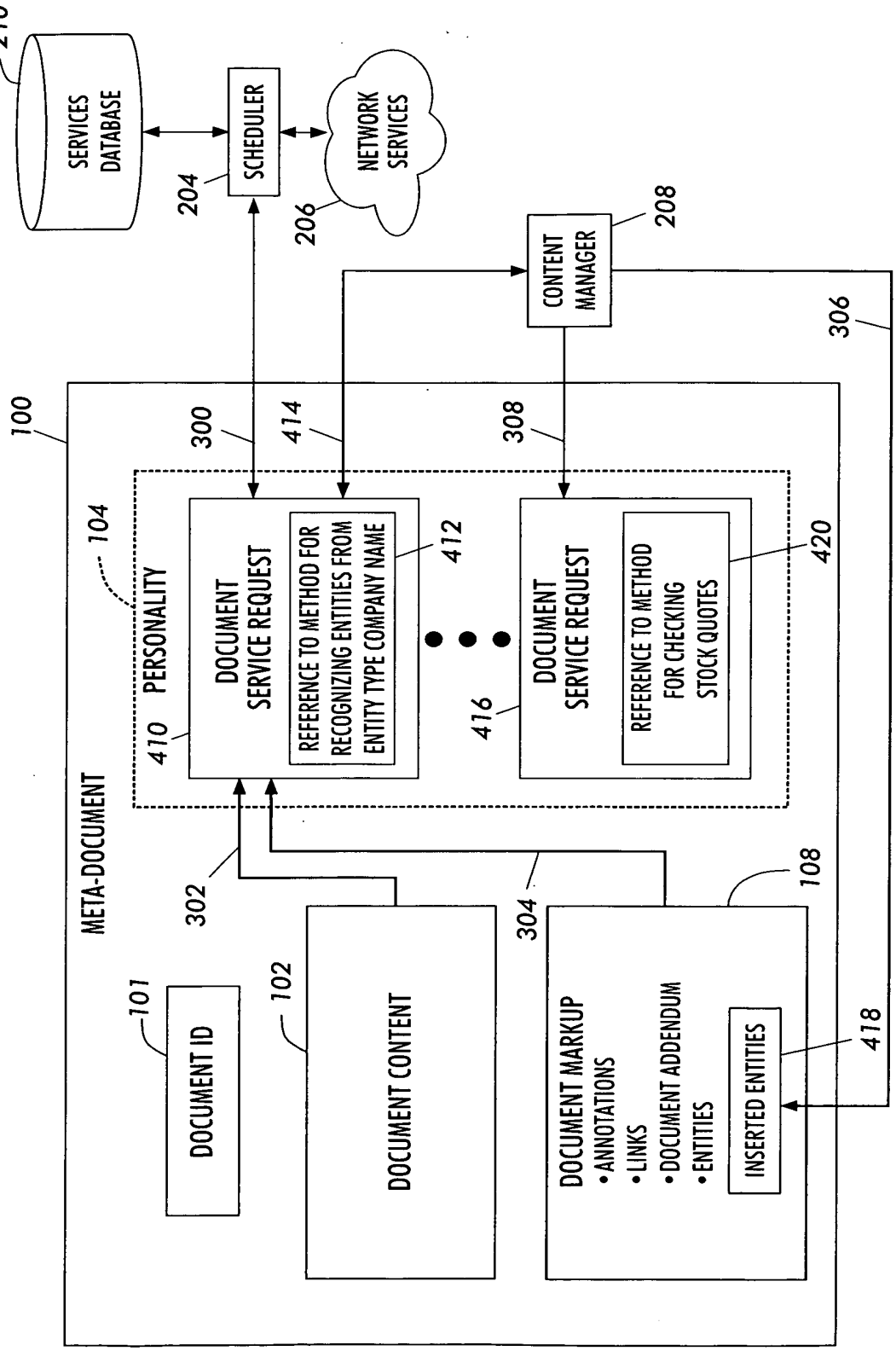

FIG. 4

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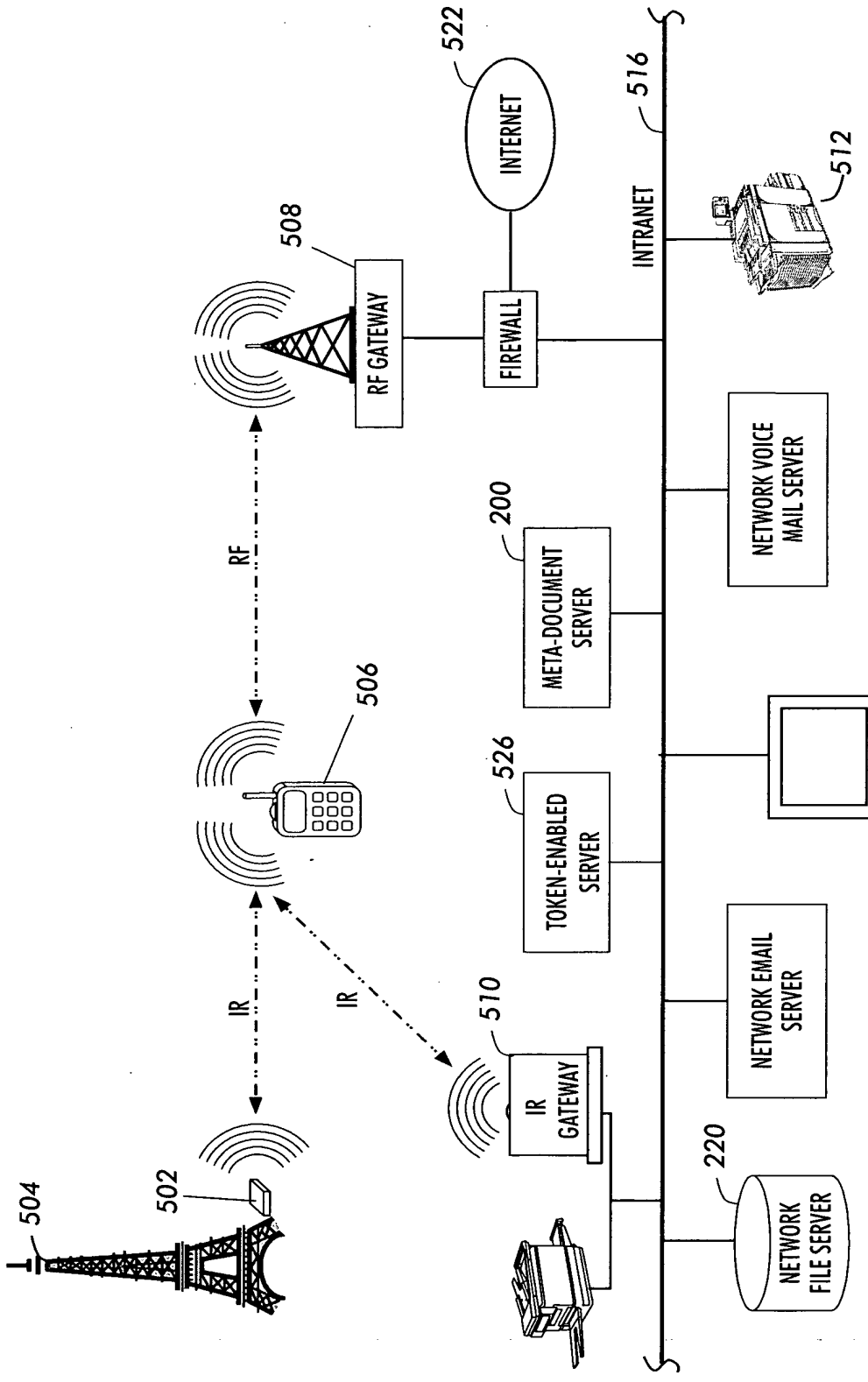

FIG. 5

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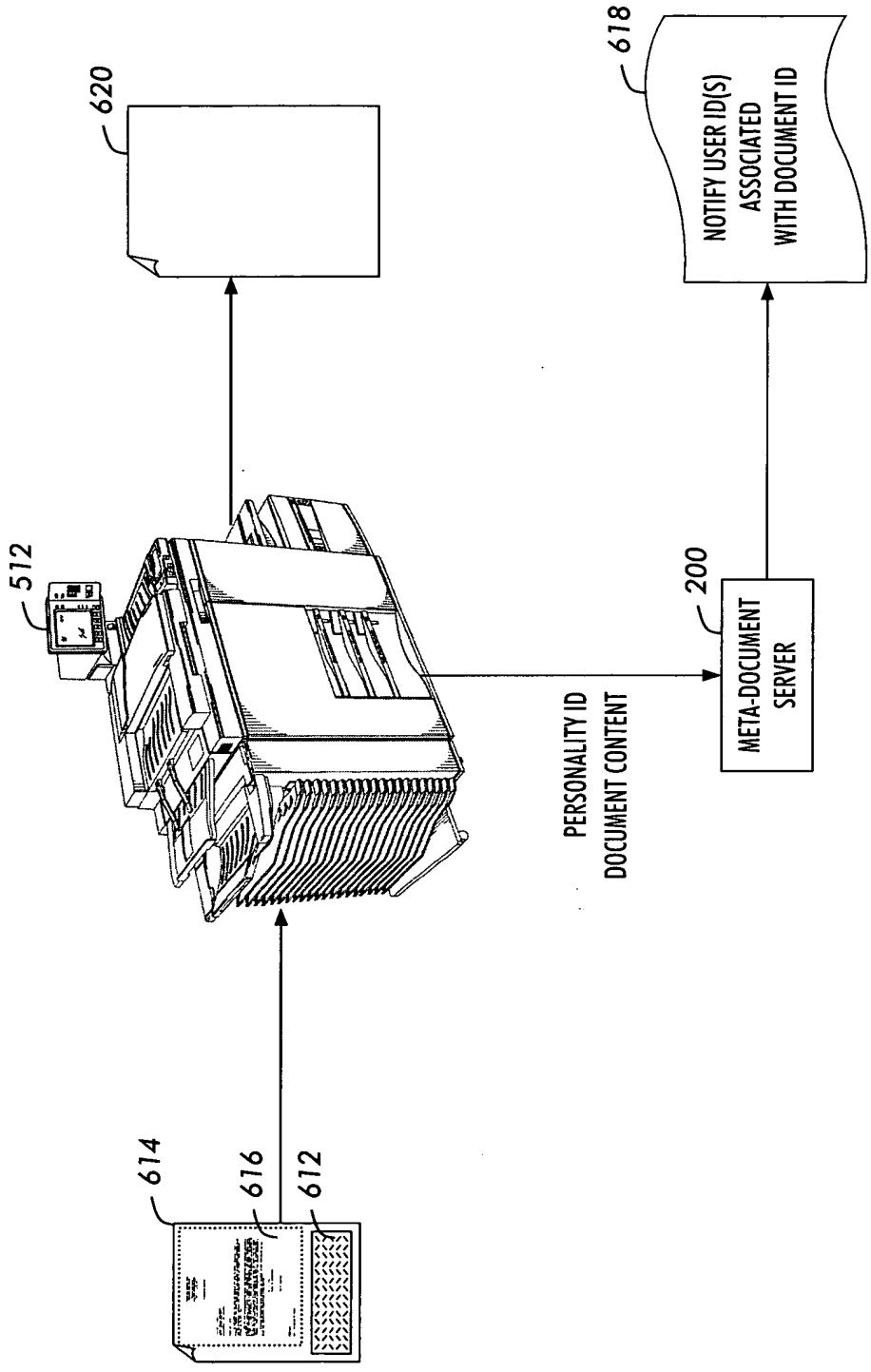

FIG. 6

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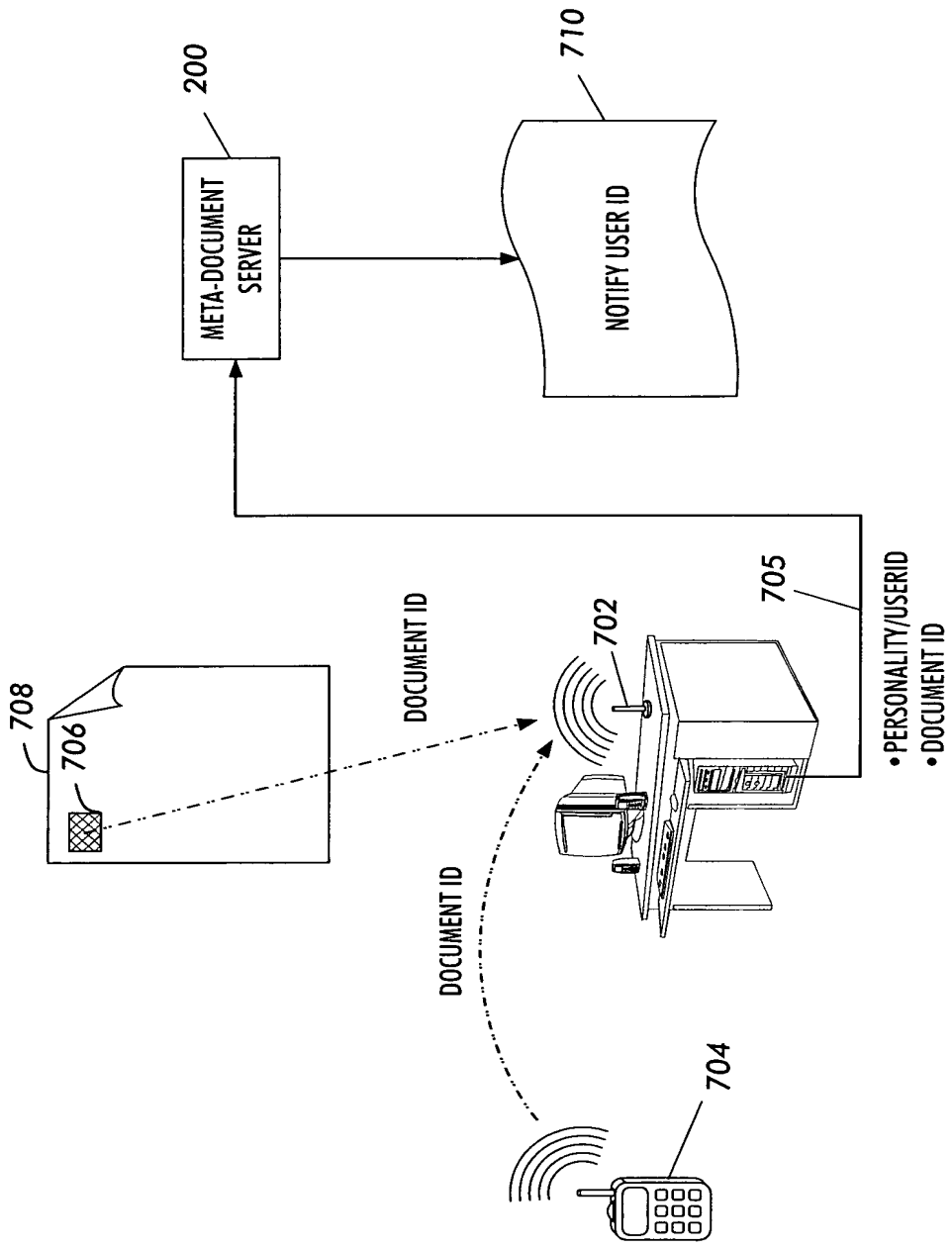

FIG. 7

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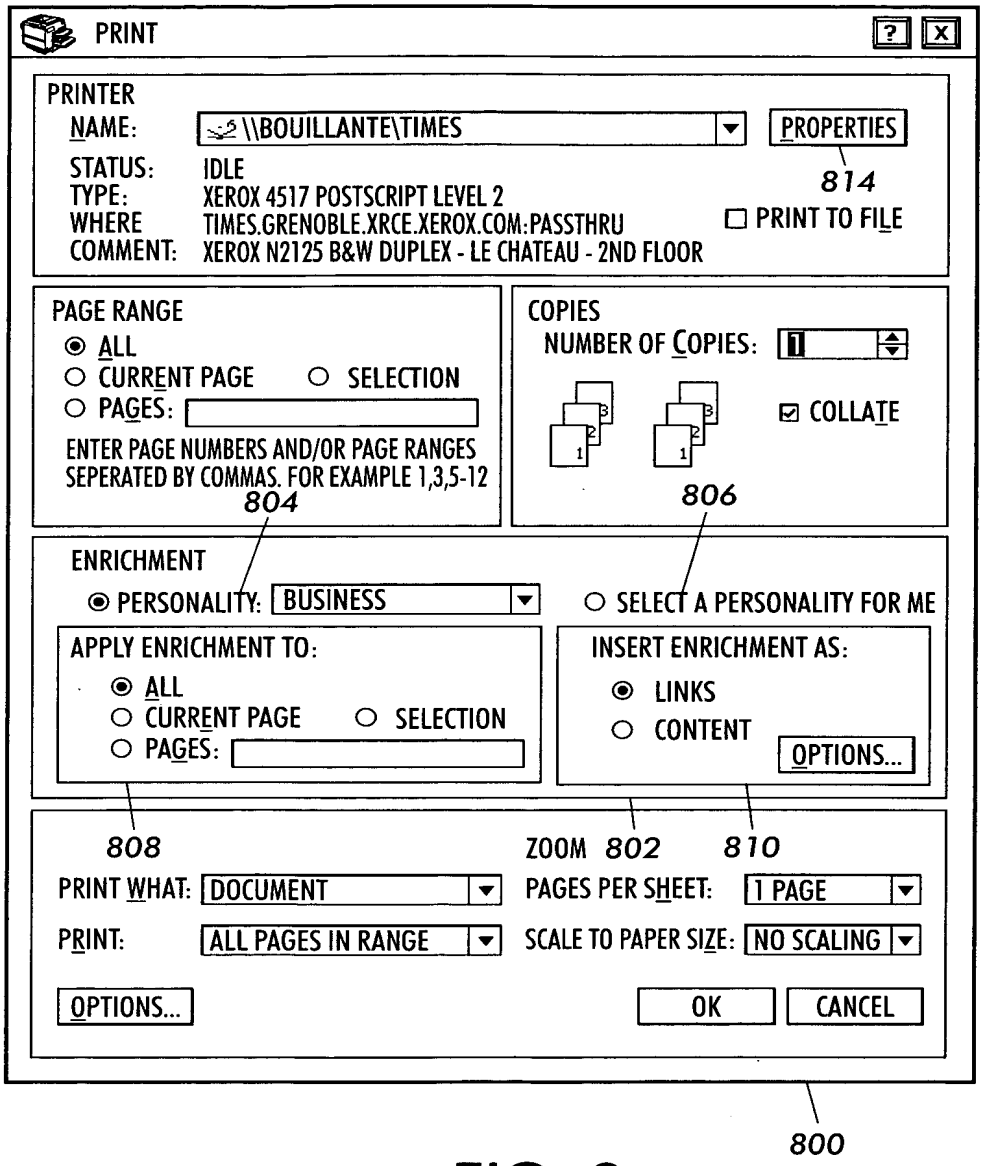

FIG. 8

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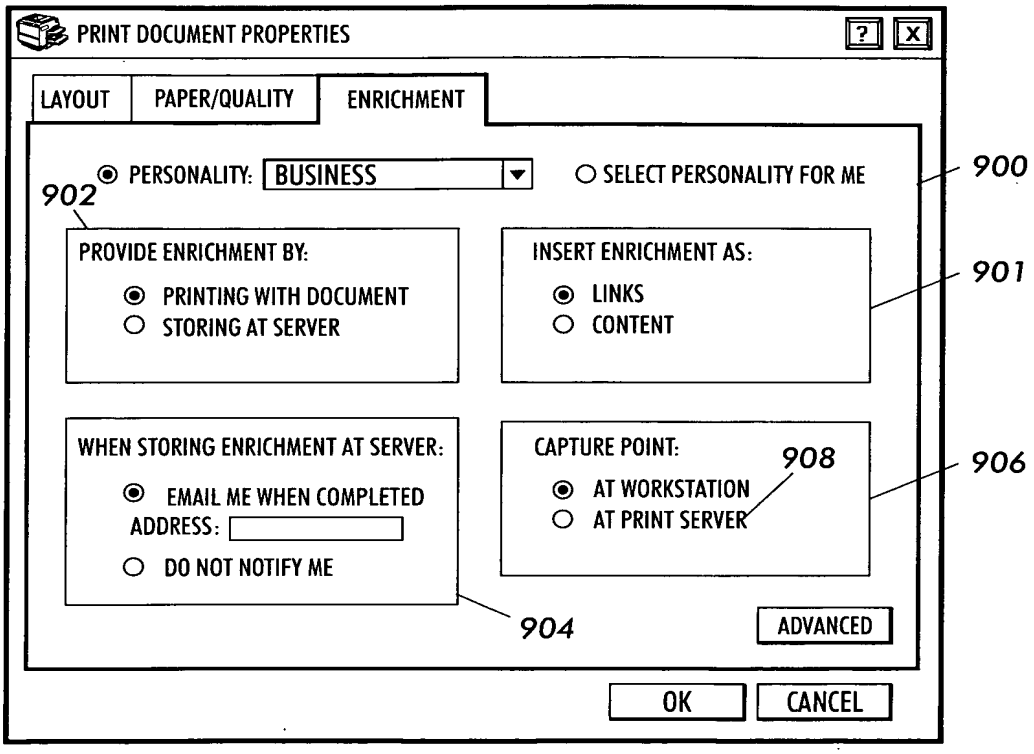

FIG. 9

OIPE SC1&2
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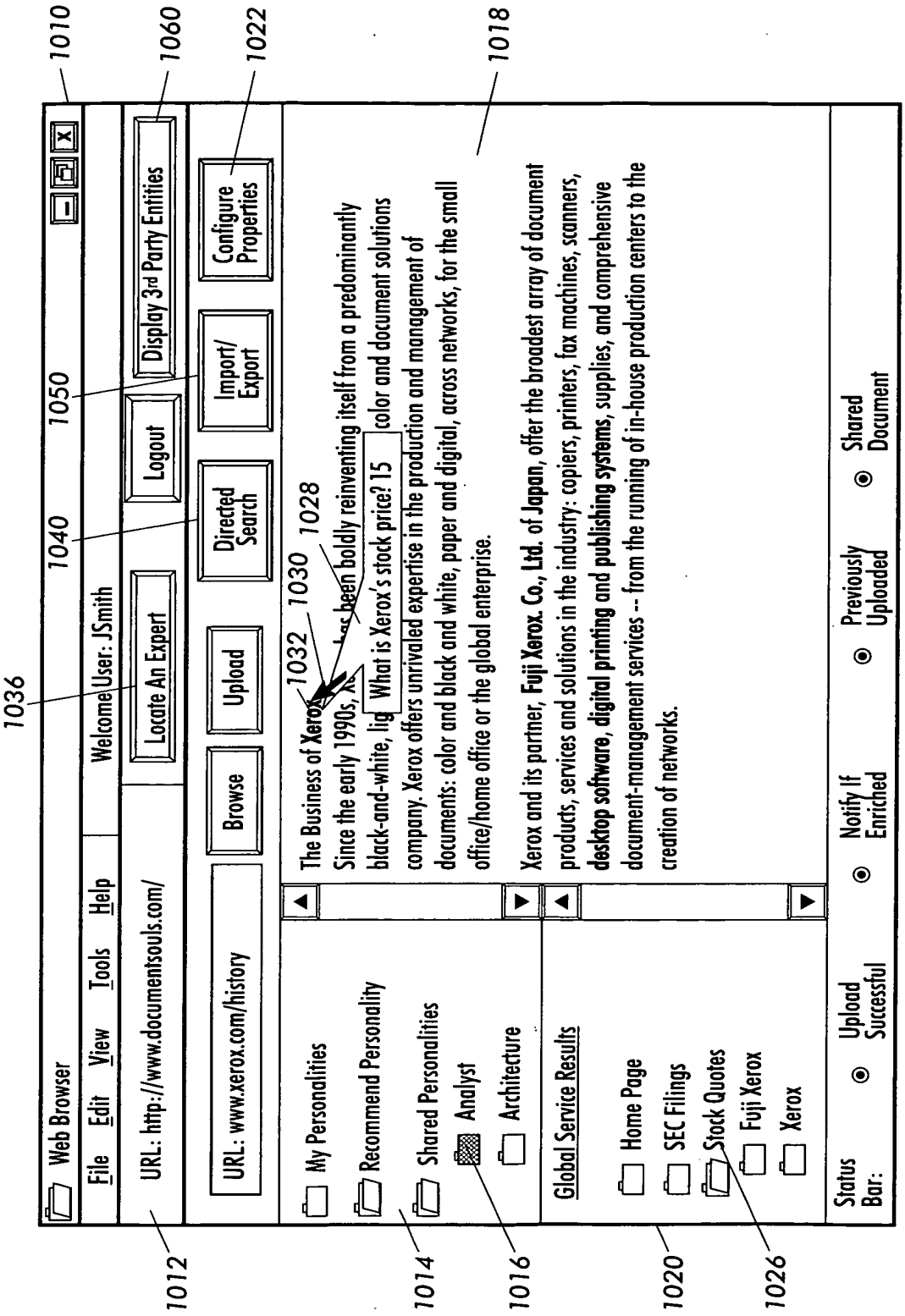

FIG. 10

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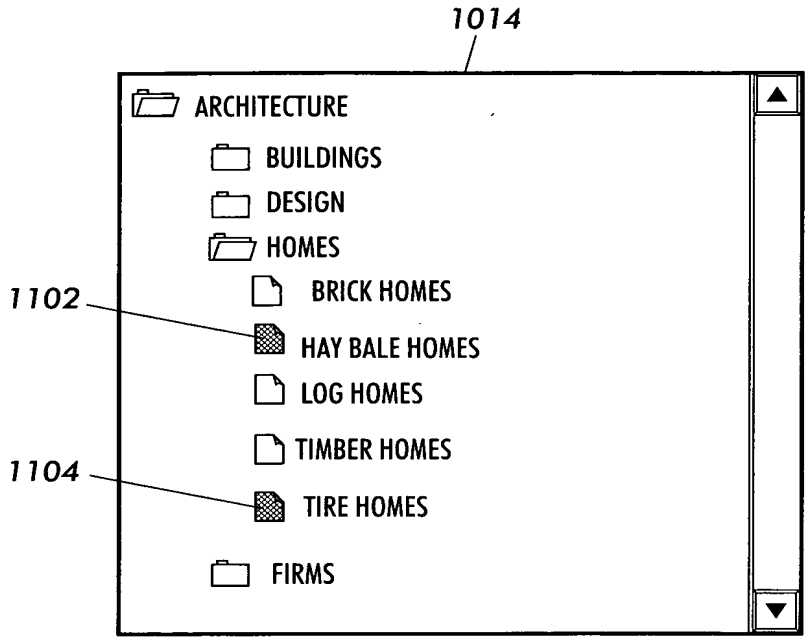

FIG. 11

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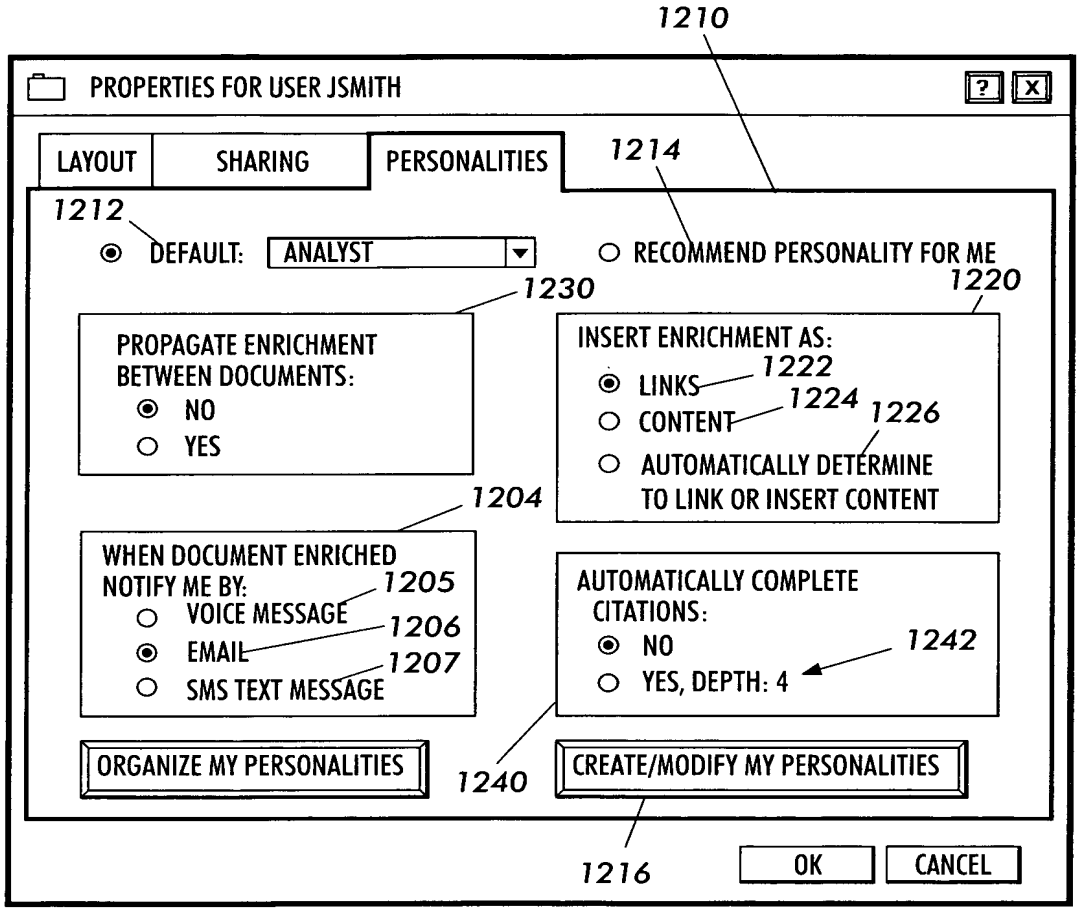

FIG. 12

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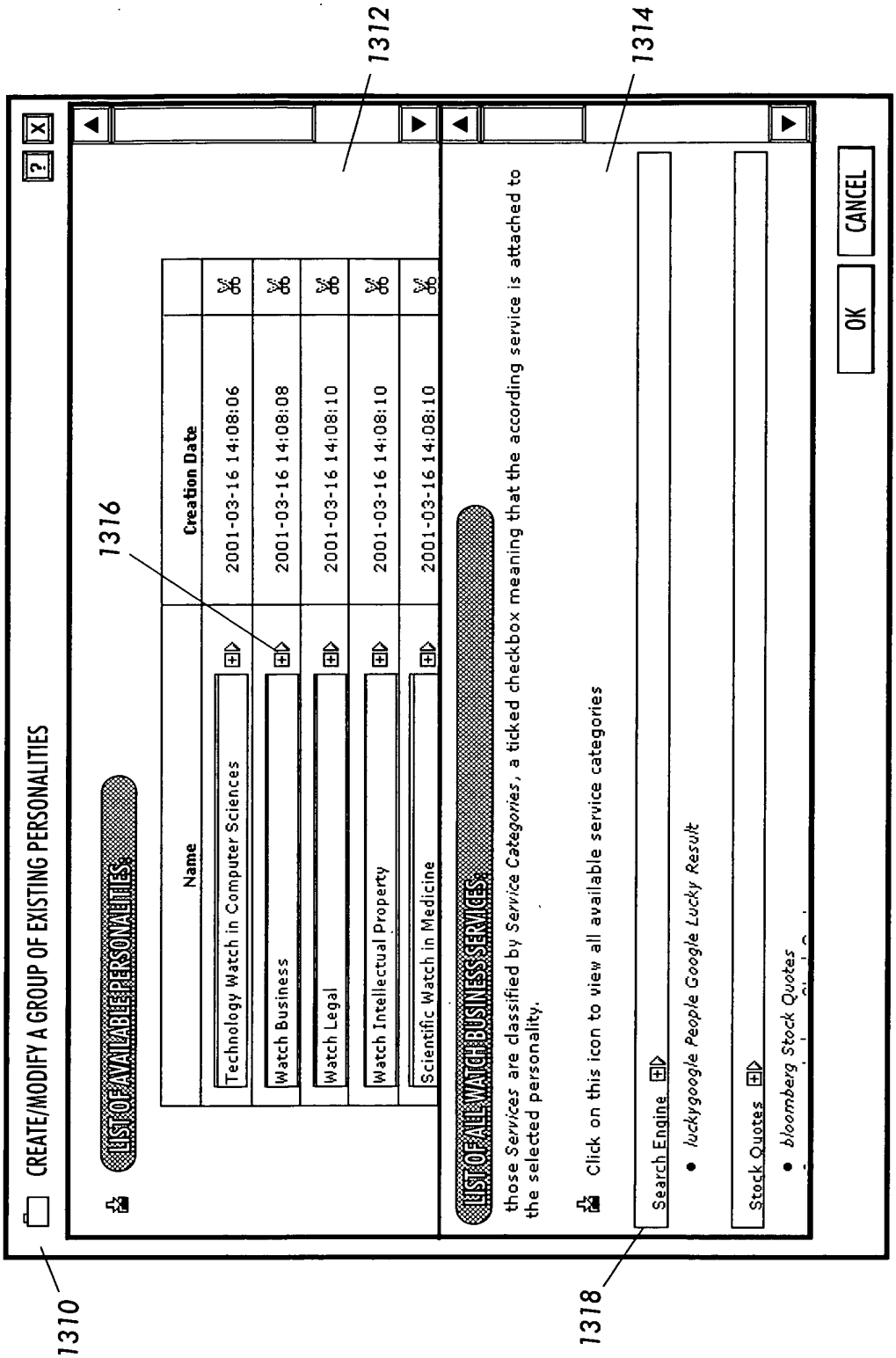

FIG. 13

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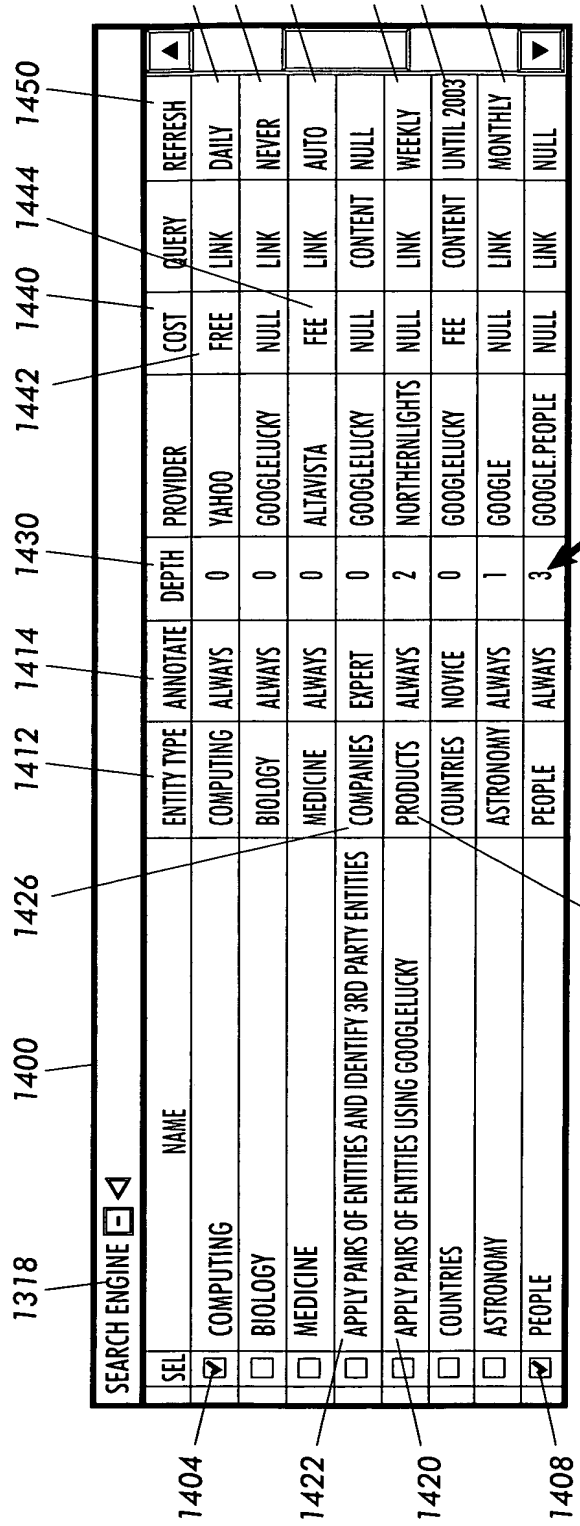

FIG. 14

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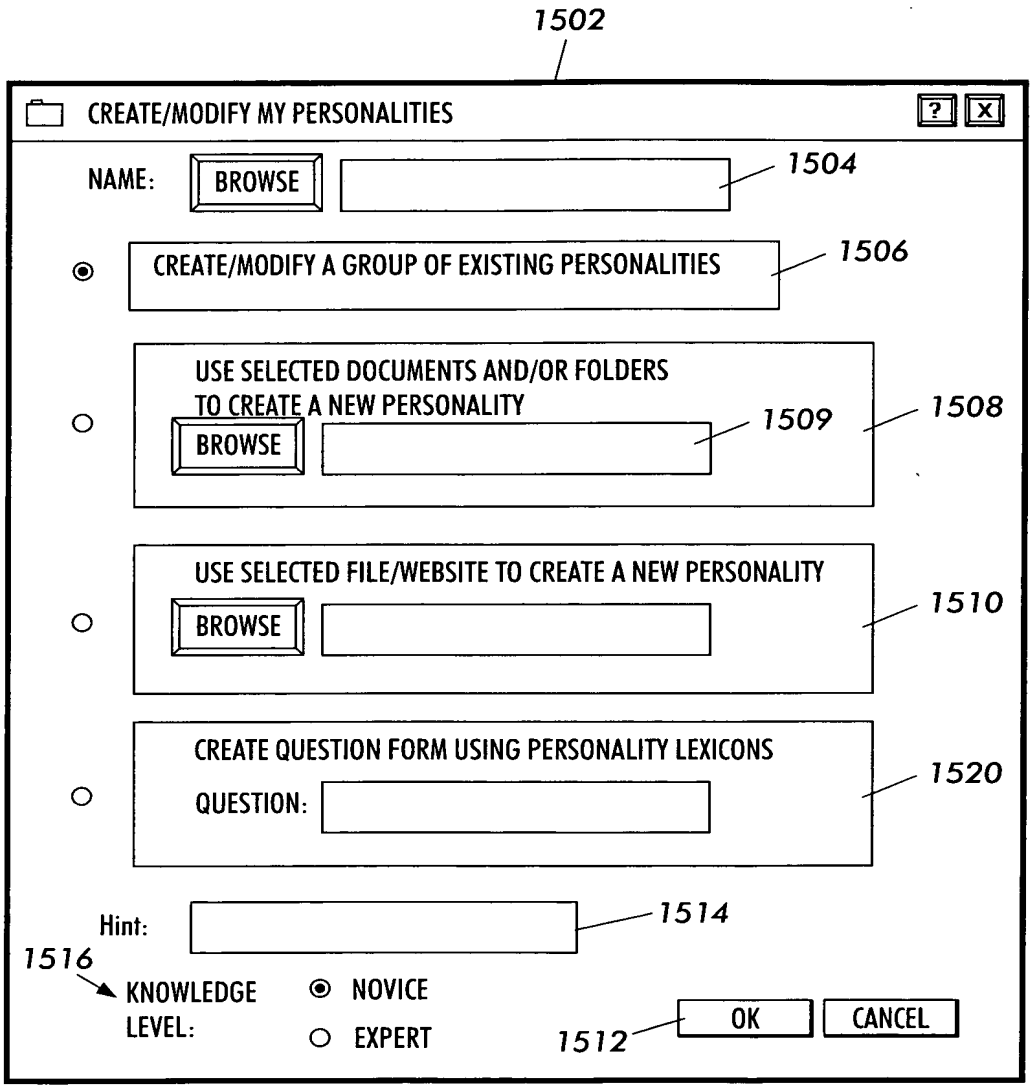

FIG. 15

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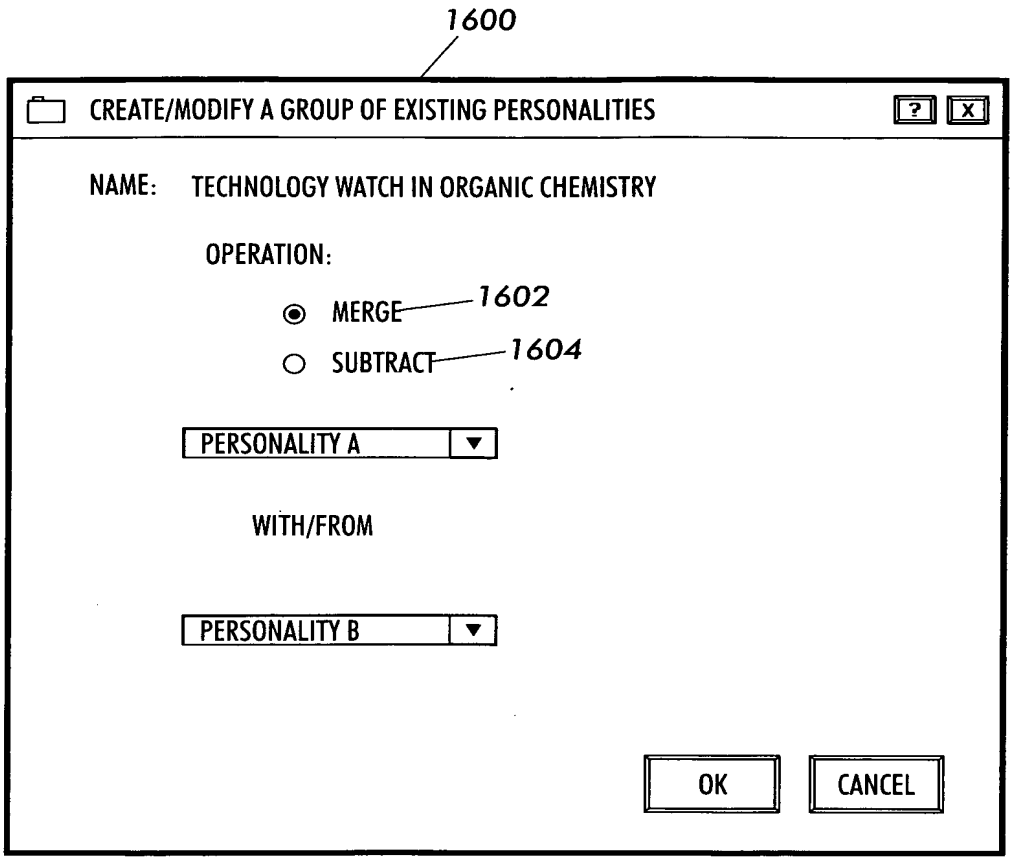

FIG. 16

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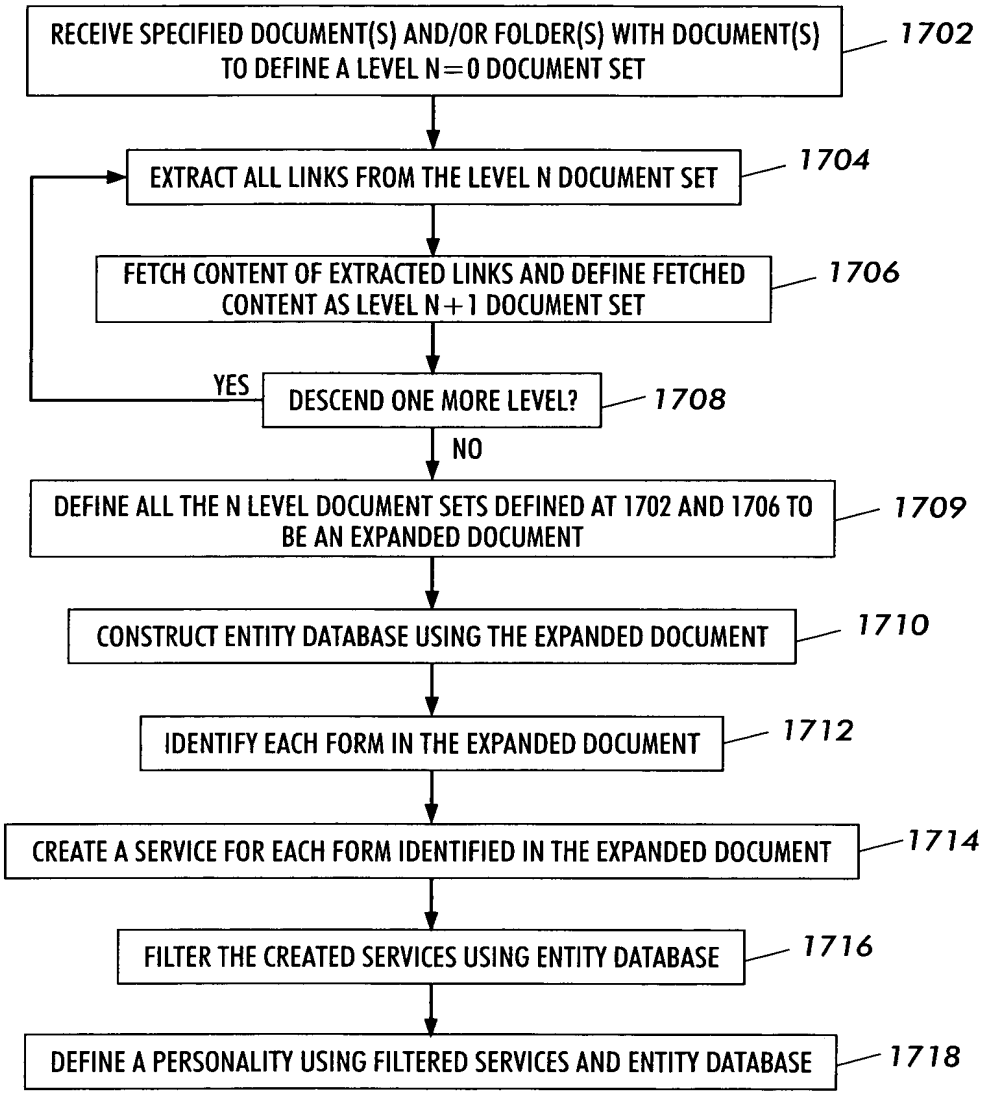

FIG. 17

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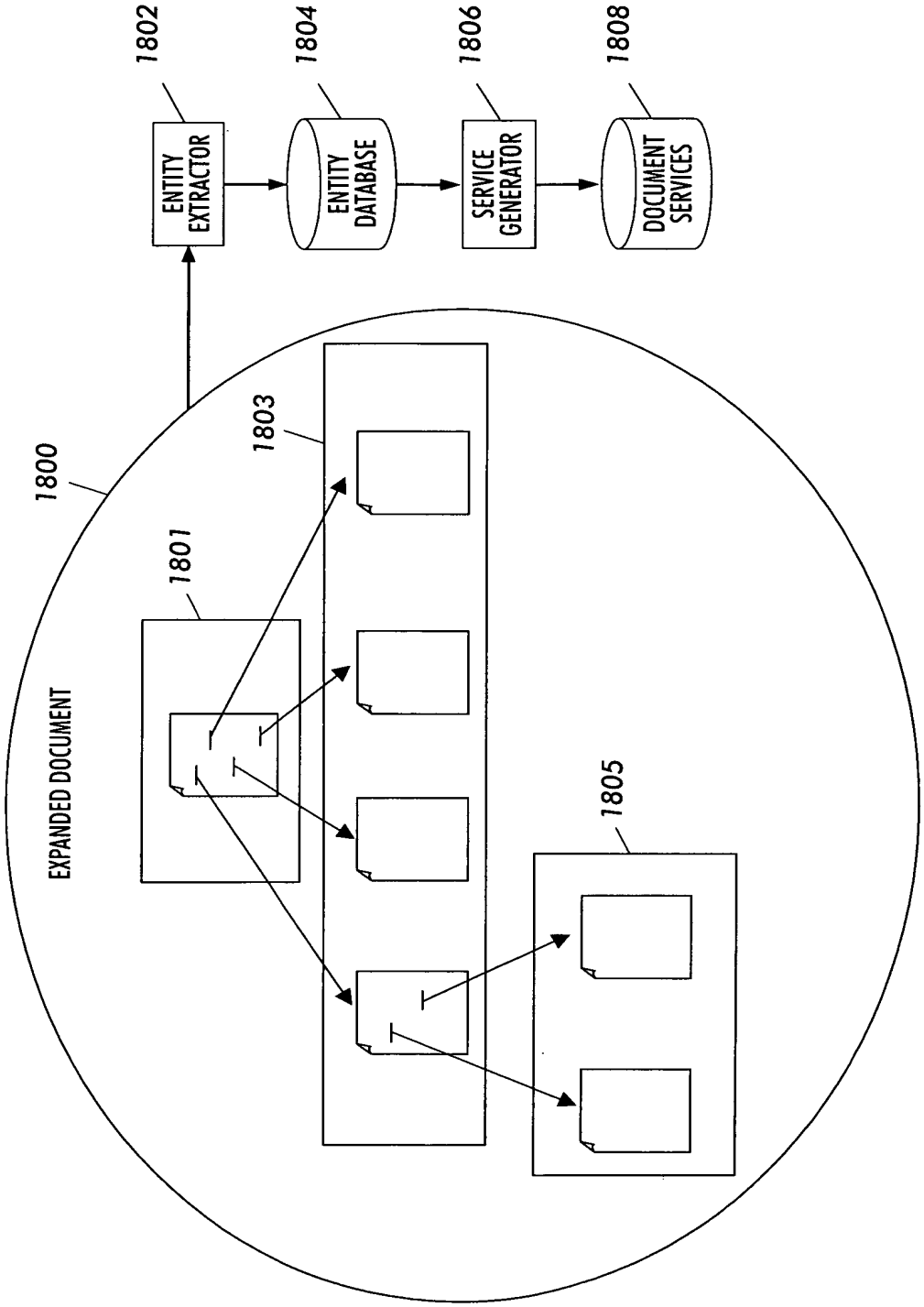

FIG. 18

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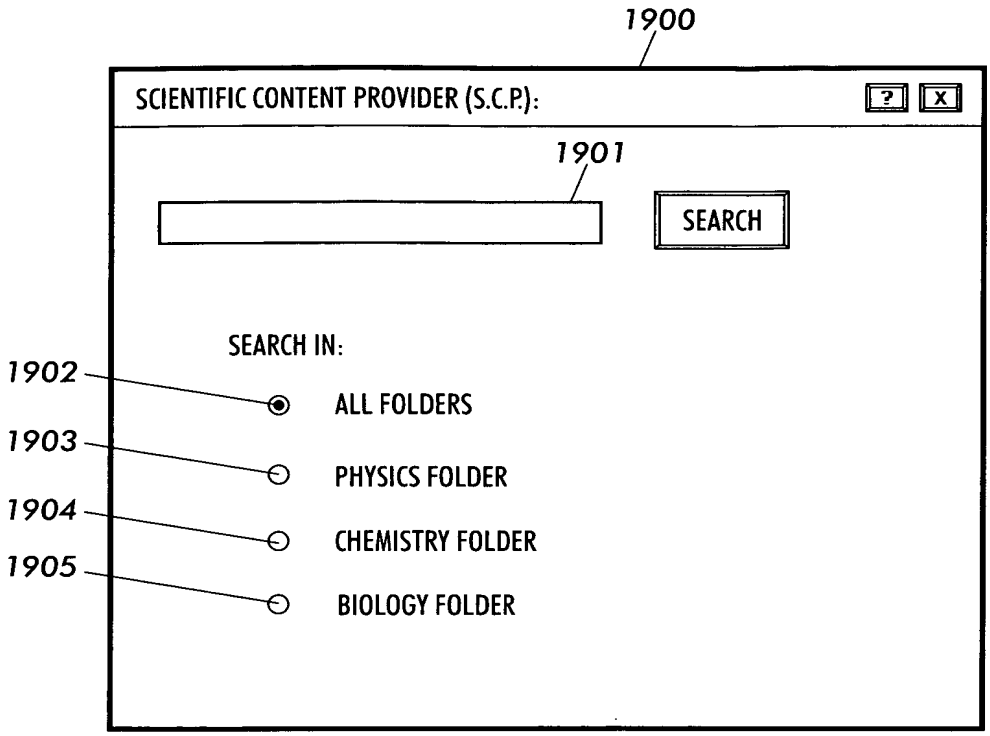

FIG. 19

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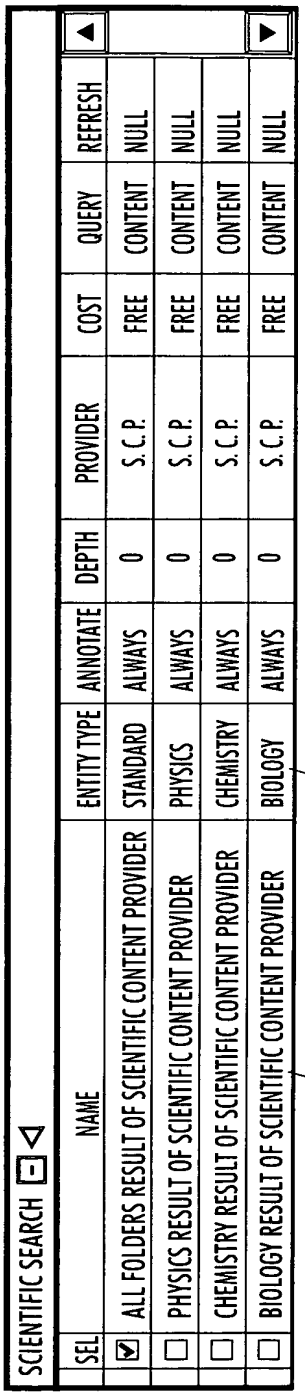

FIG. 20

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PATENT & TRADEMARK

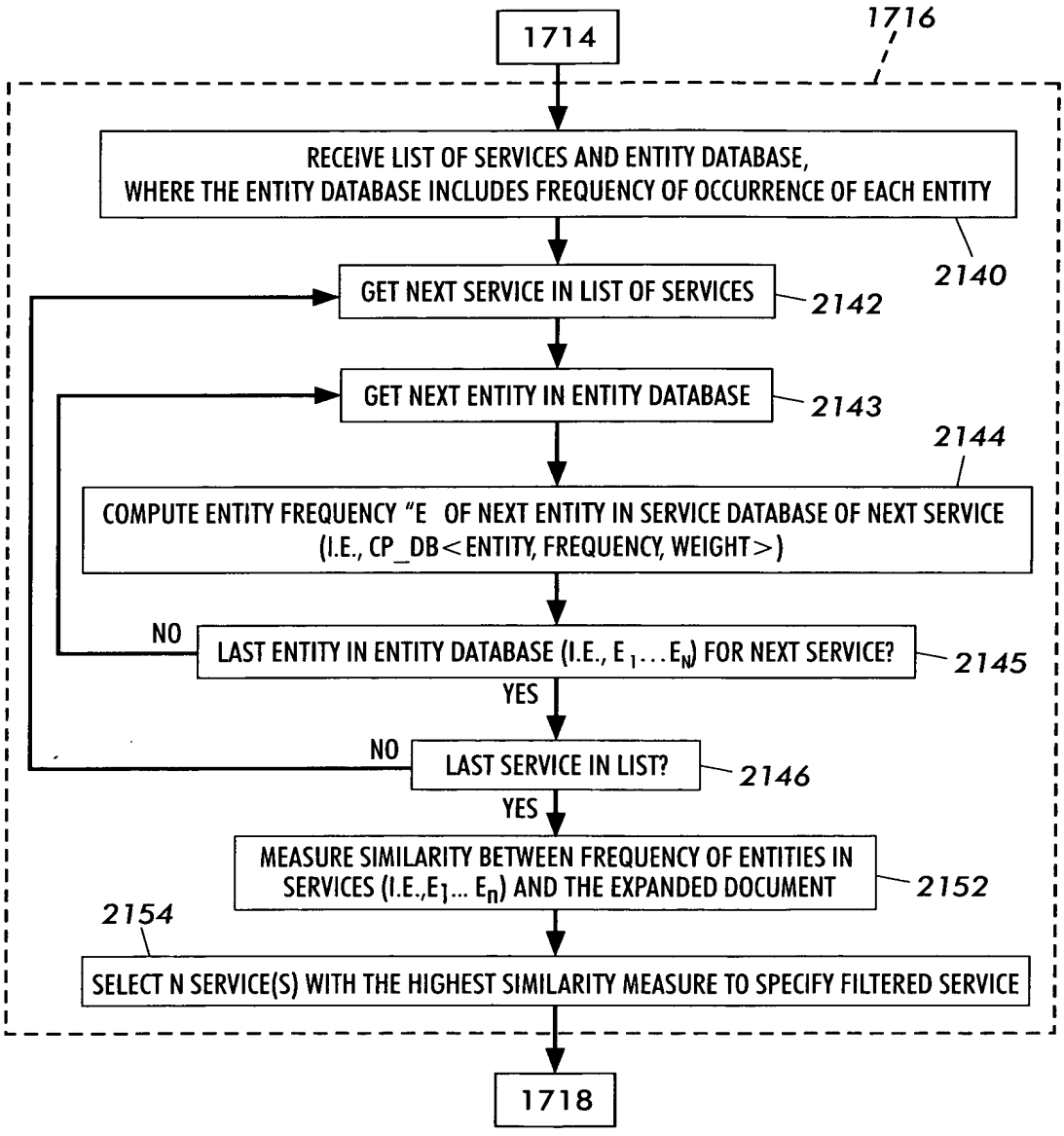

FIG. 21

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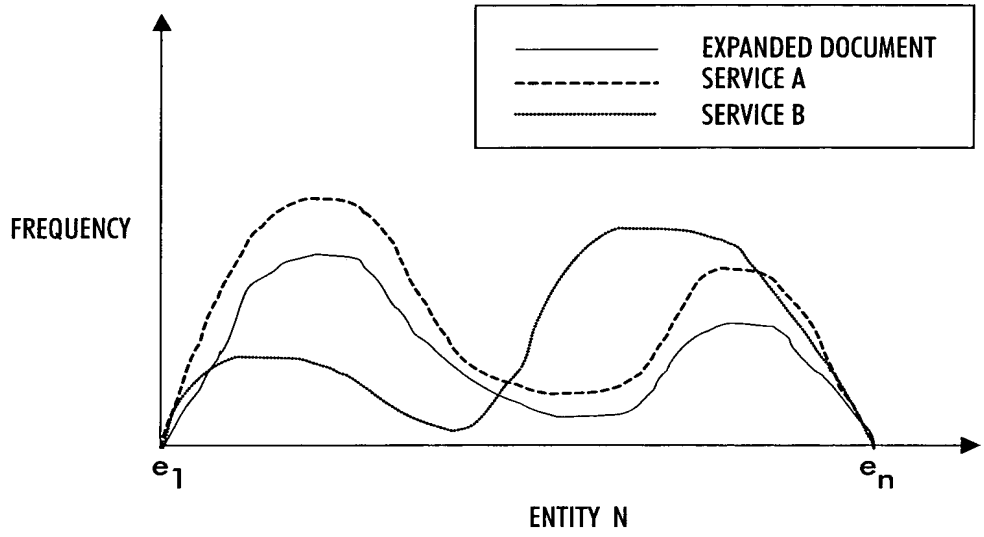

FIG. 22

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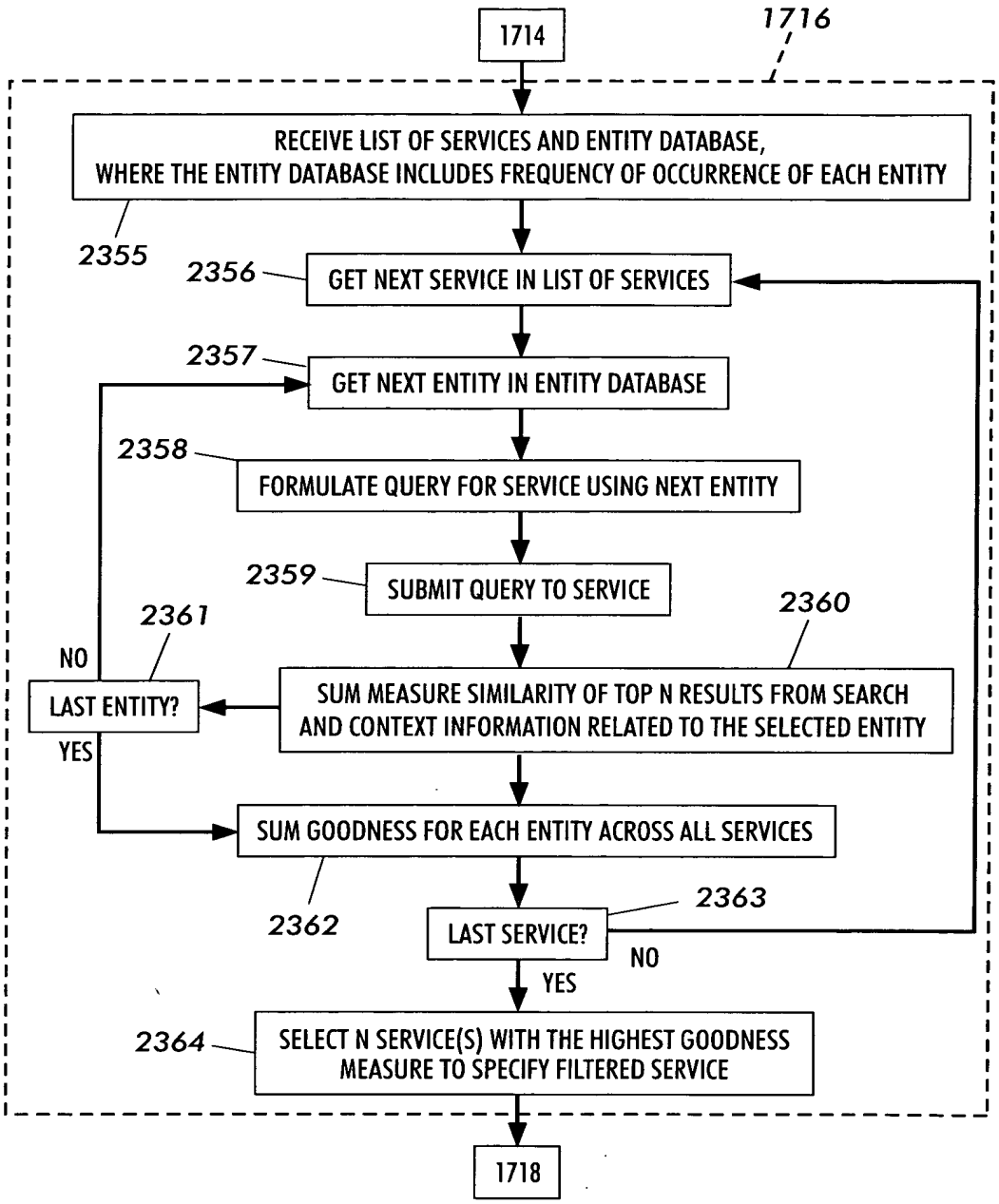

FIG. 23

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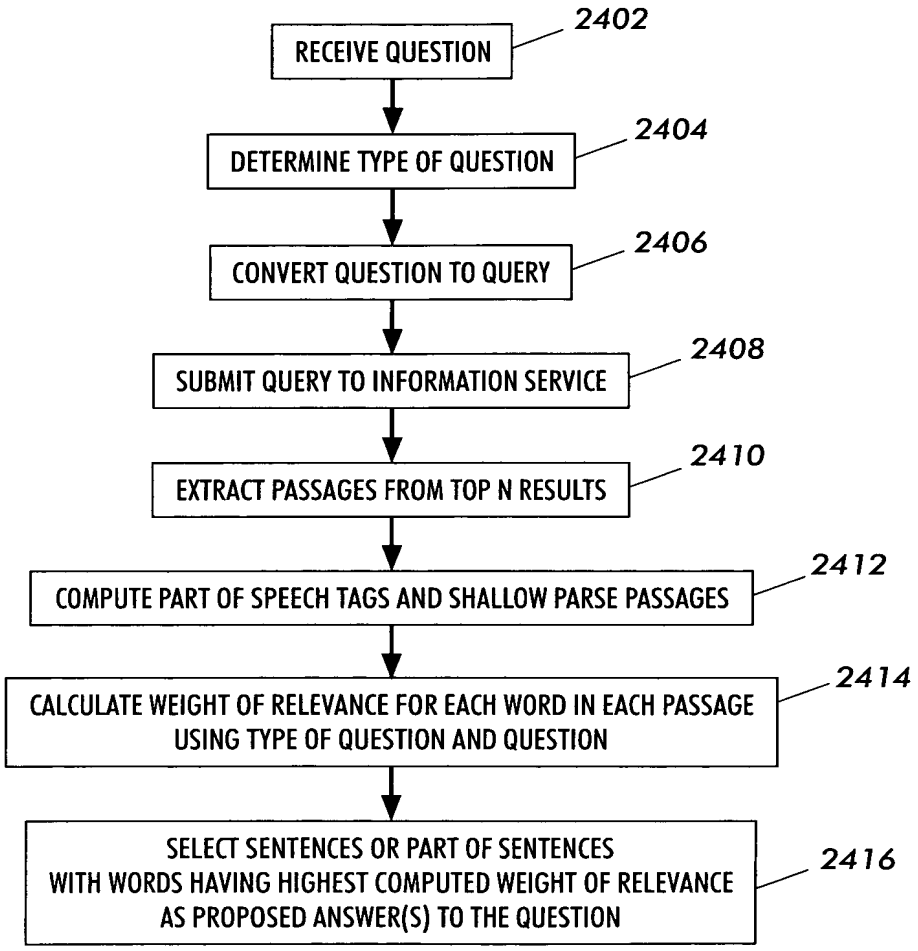

FIG. 24

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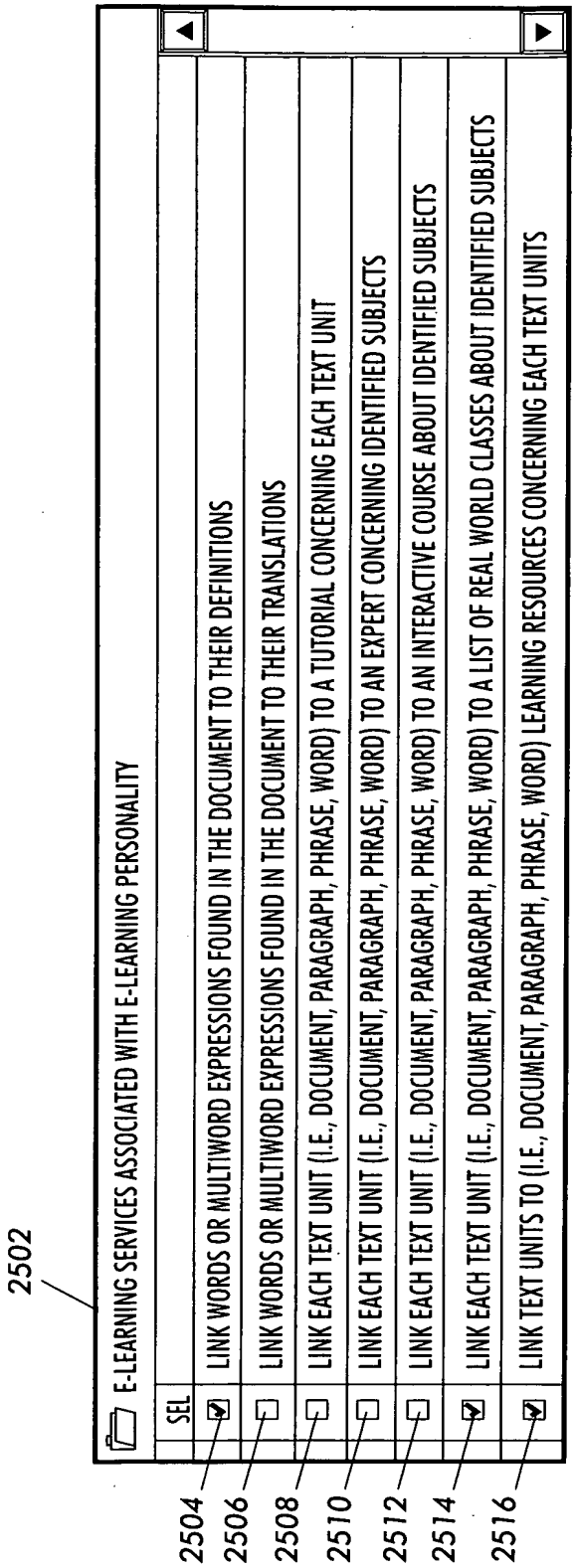

FIG. 25

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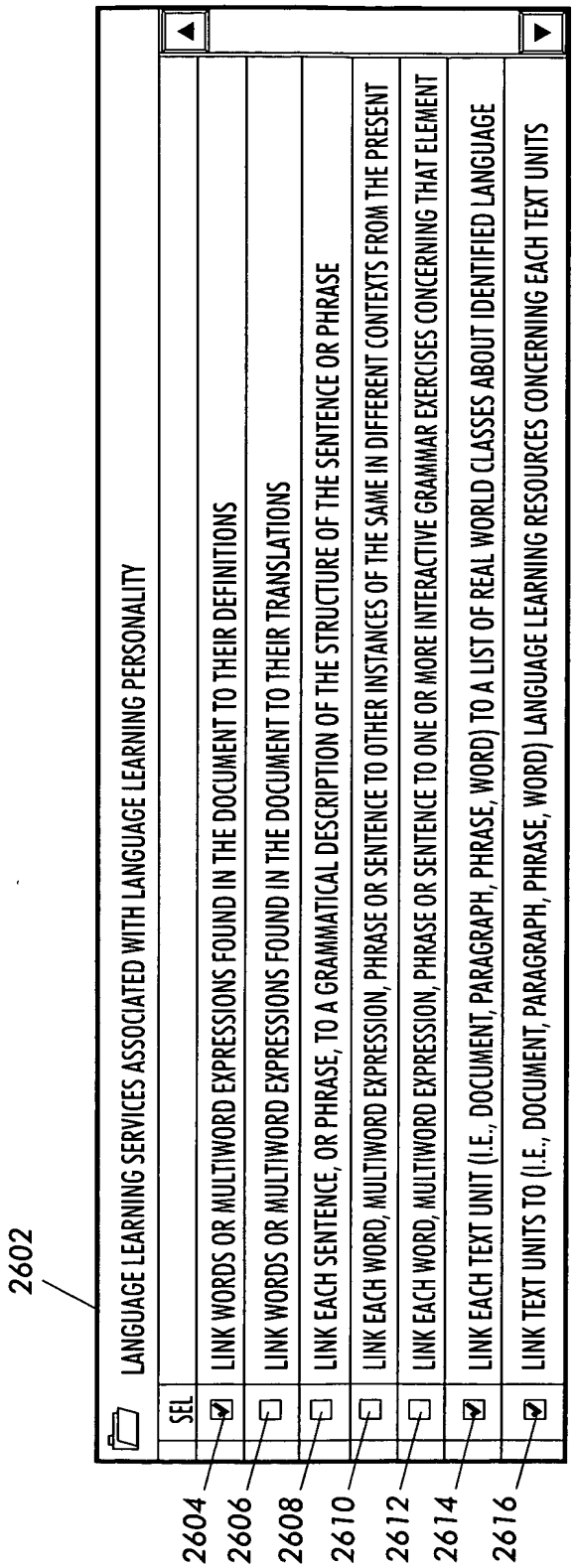

FIG. 26

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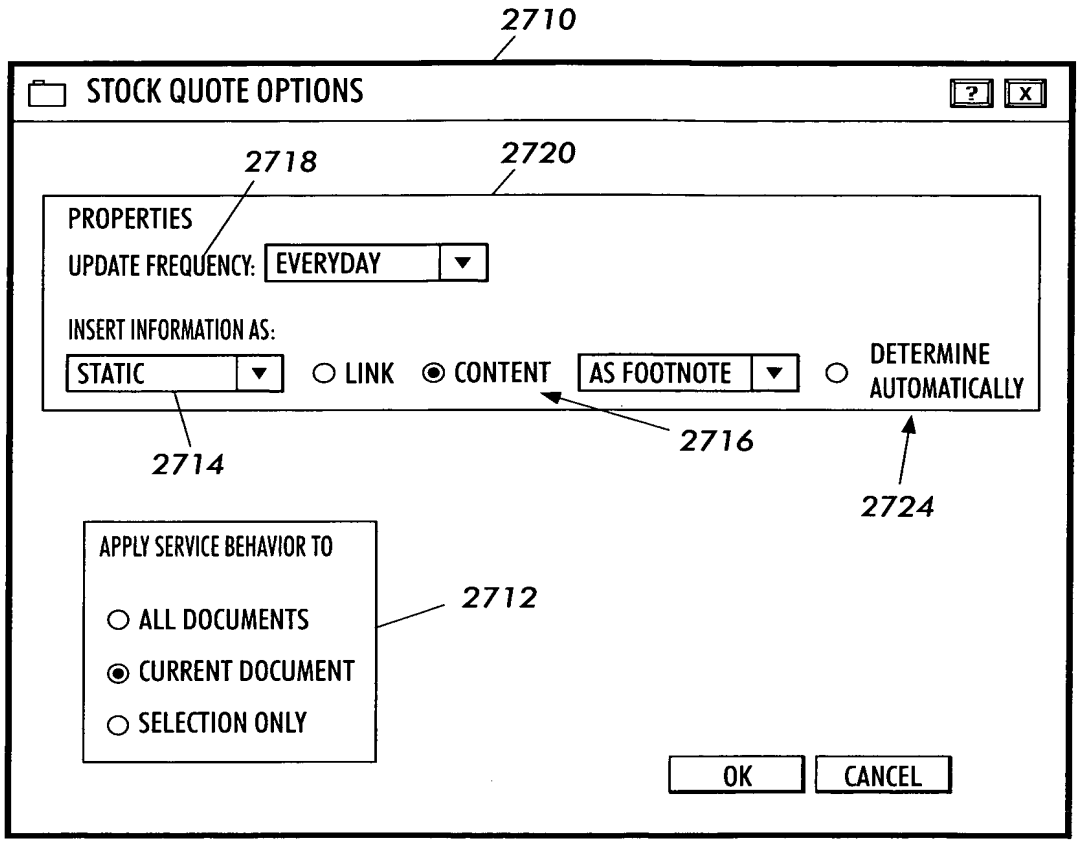

FIG. 27

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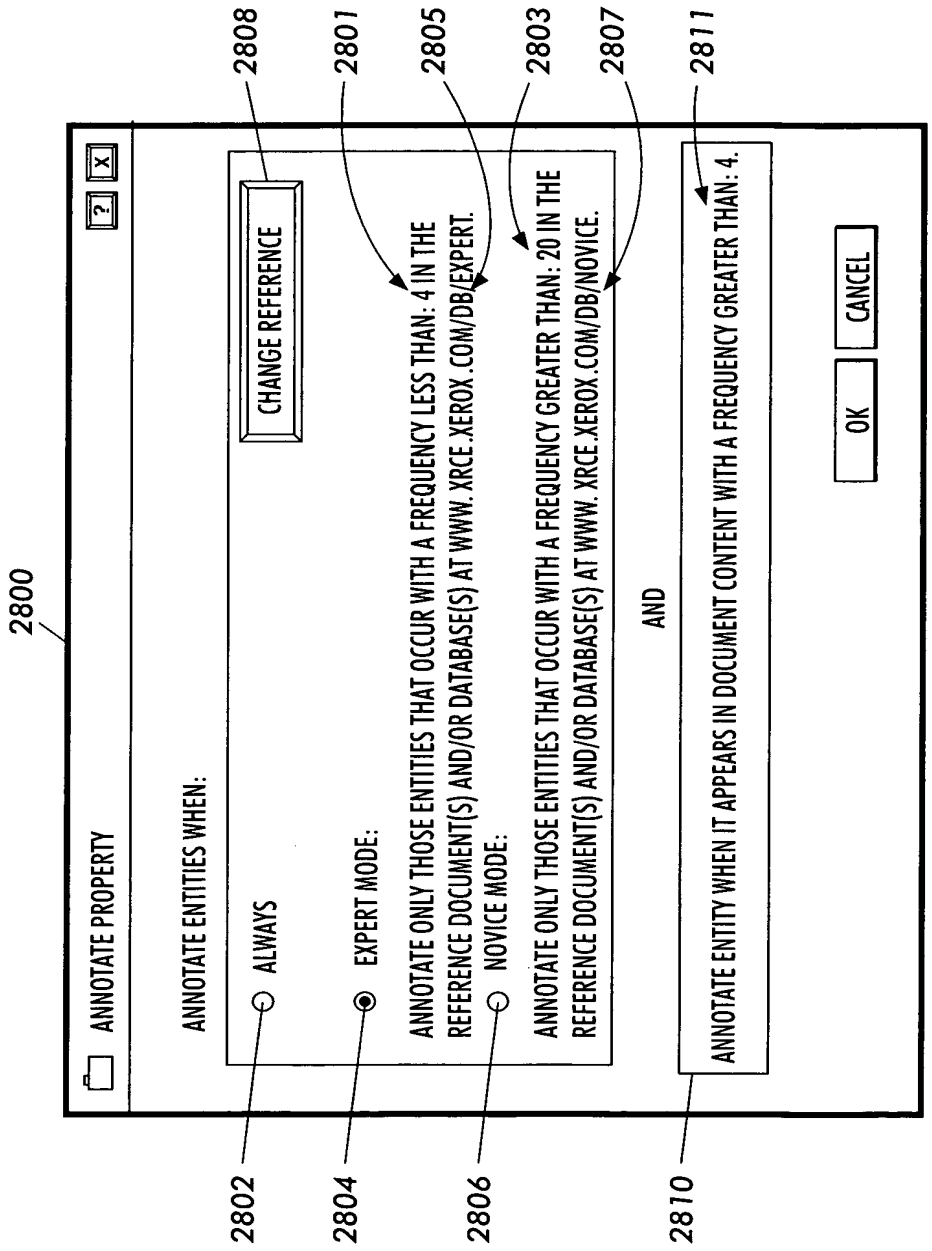

FIG. 28

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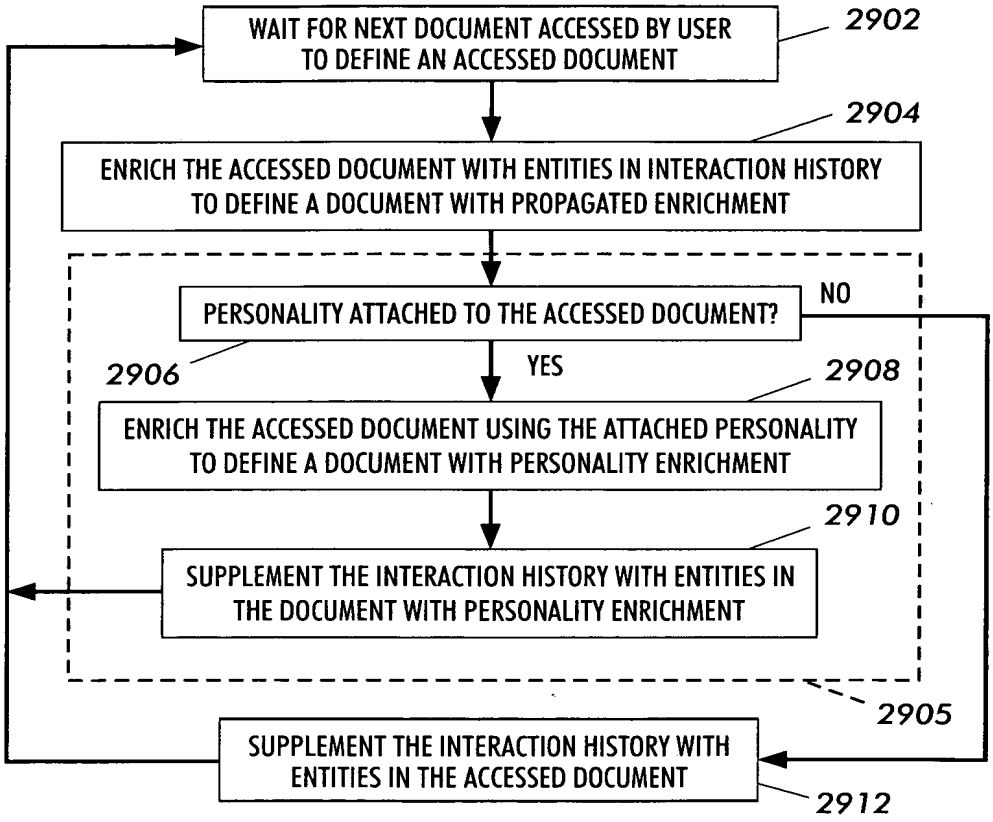

FIG. 29

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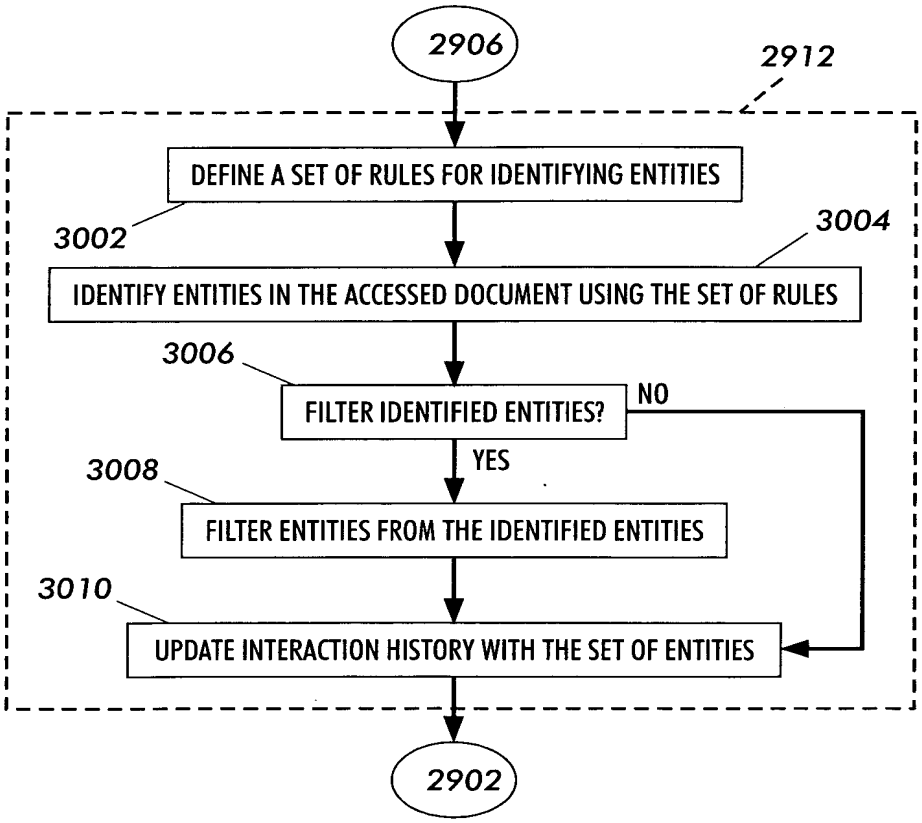

FIG. 30

OIPE JC164
APR 14 2003
PATENT & TRADEMARK OFFICE

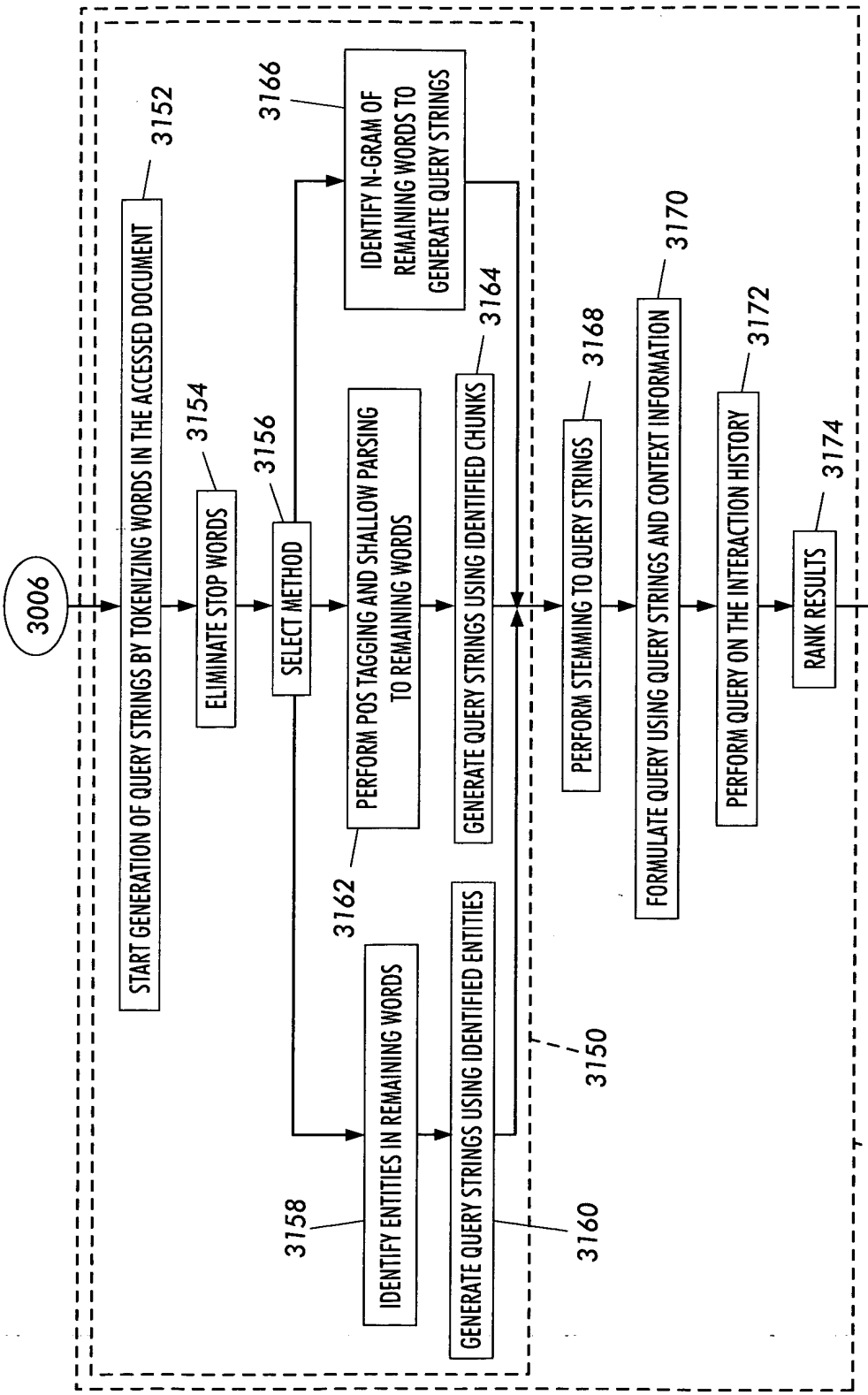

FIG. 31

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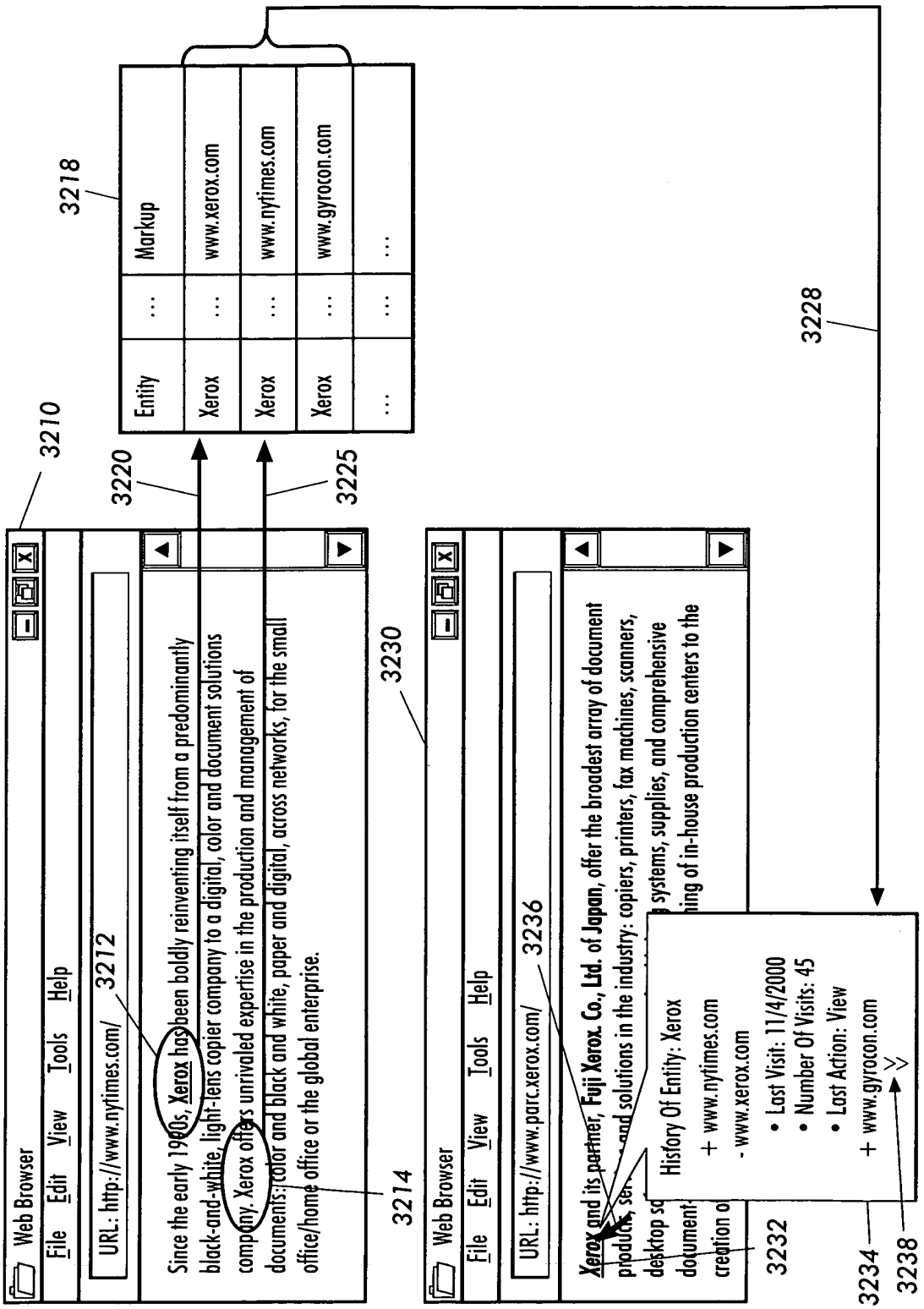

FIG. 32

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3218

ENTITY	ENTITY TYPE	VISITS	LAST VISIT	ACTION LIST	DMOZ CATEGORY	LOCATION	POS	MARKUP
XEROX	BUSINESS	45	11/4/2000	VIEW (43), PRINT(2)	BUSINESS	40	NOUN	WWW.XEROX.COM
XEROX	BUSINESS	1	5/1/2001	VIEW(1)	FINANCE	689	NOUN	WWW.NYTIMES.COM
XEROX	BUSINESS	4	2/22/2001	EMAIL(1), VIEW(3)	COMPUTER	343	NOUN	WWW.GYROCON.COM
...	...	...	...	...	...	...	...	...

FIG. 33

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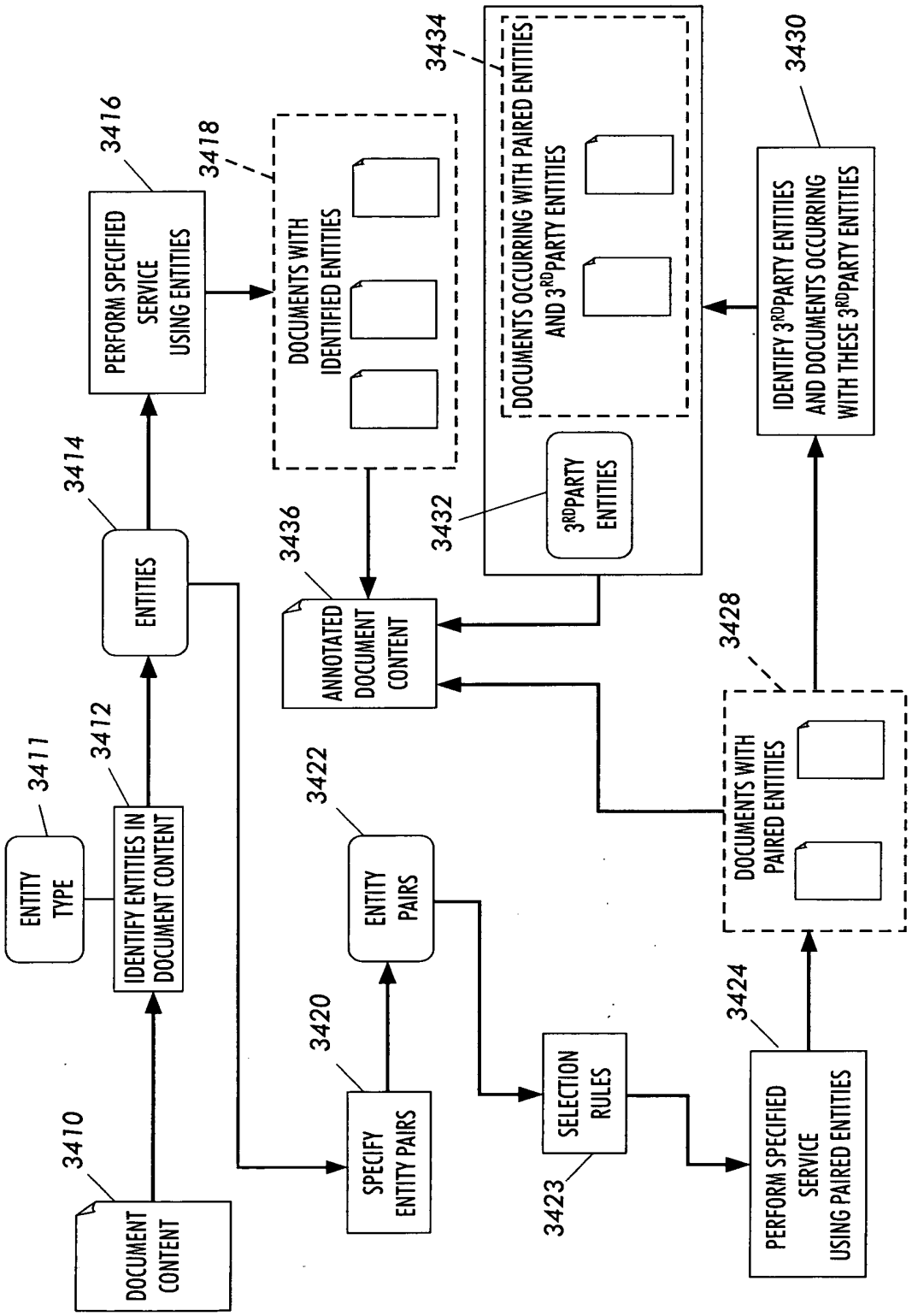

FIG. 34

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APR 14 2003
PATENT & TRADEMARK

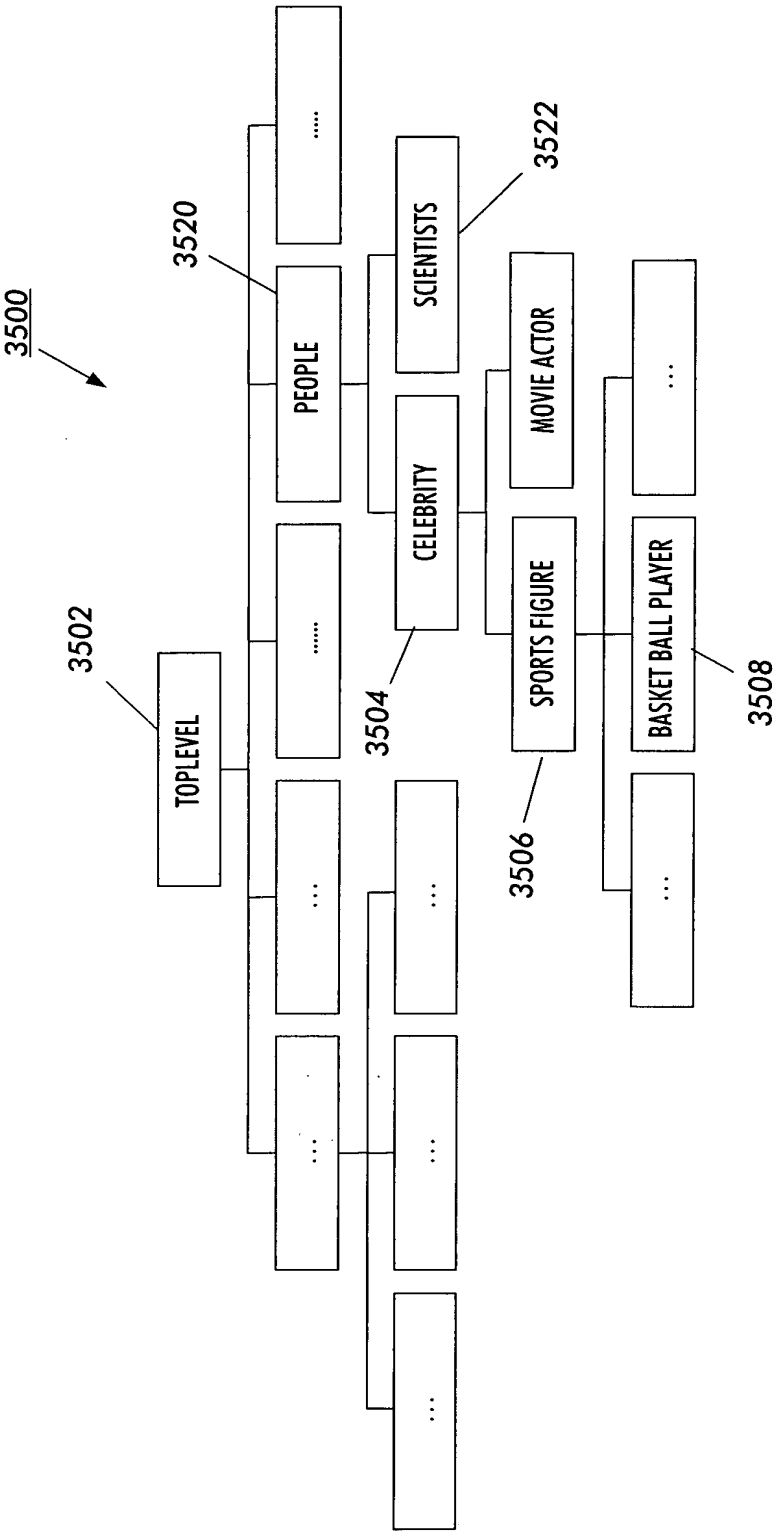

FIG. 35

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PATENT & TRADEMARK

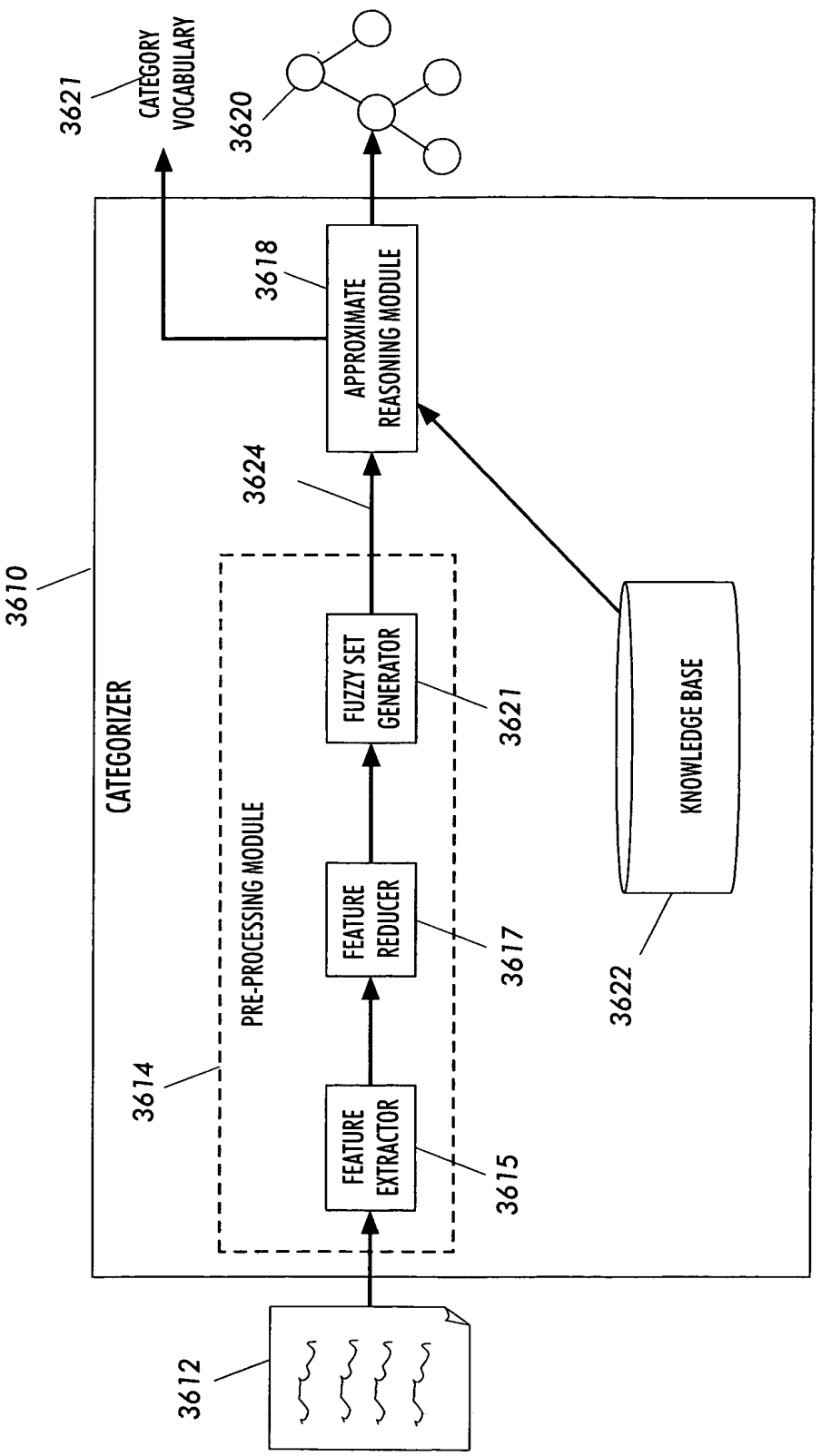

FIG. 36

OIPE
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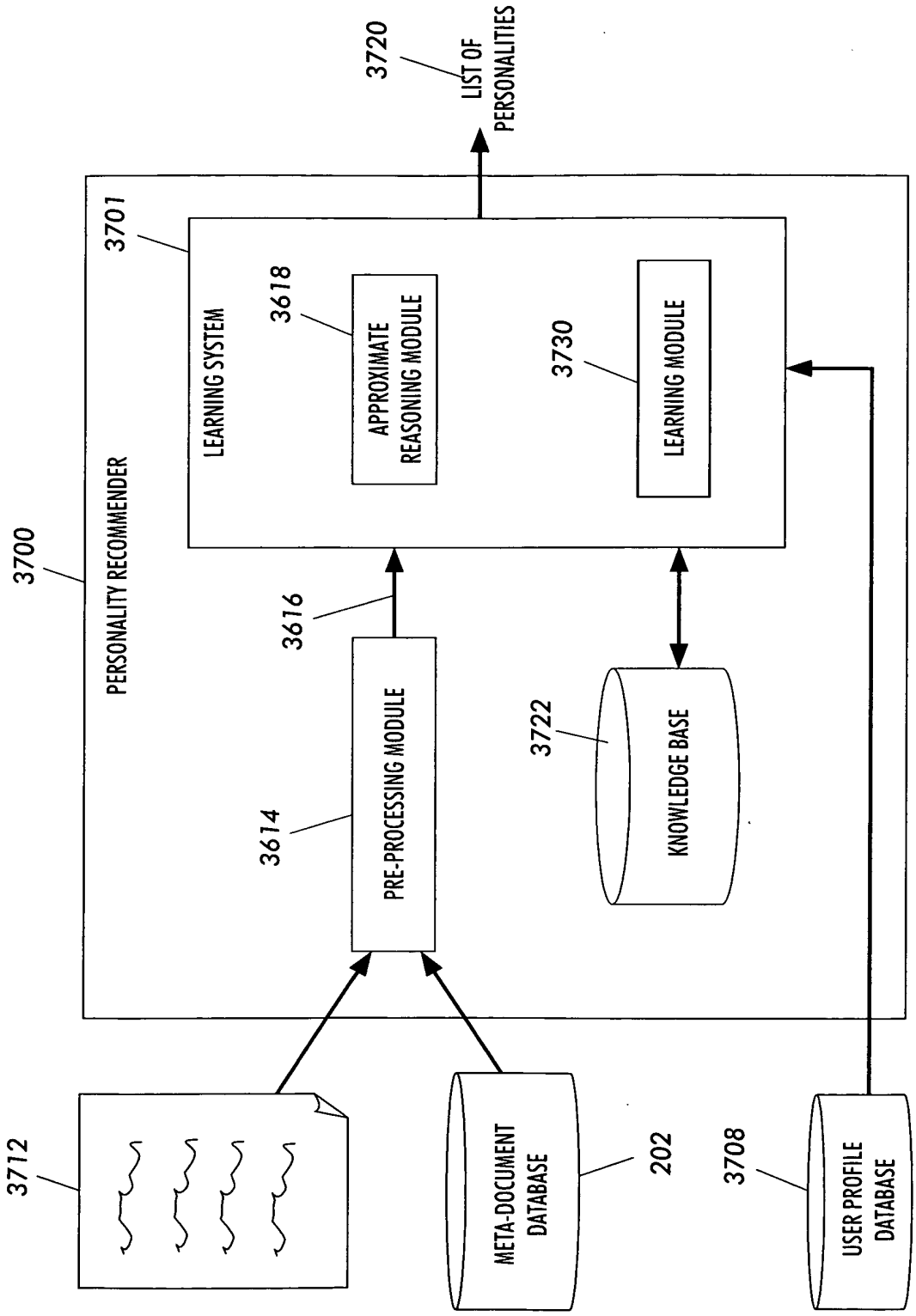

FIG. 37

OIPE
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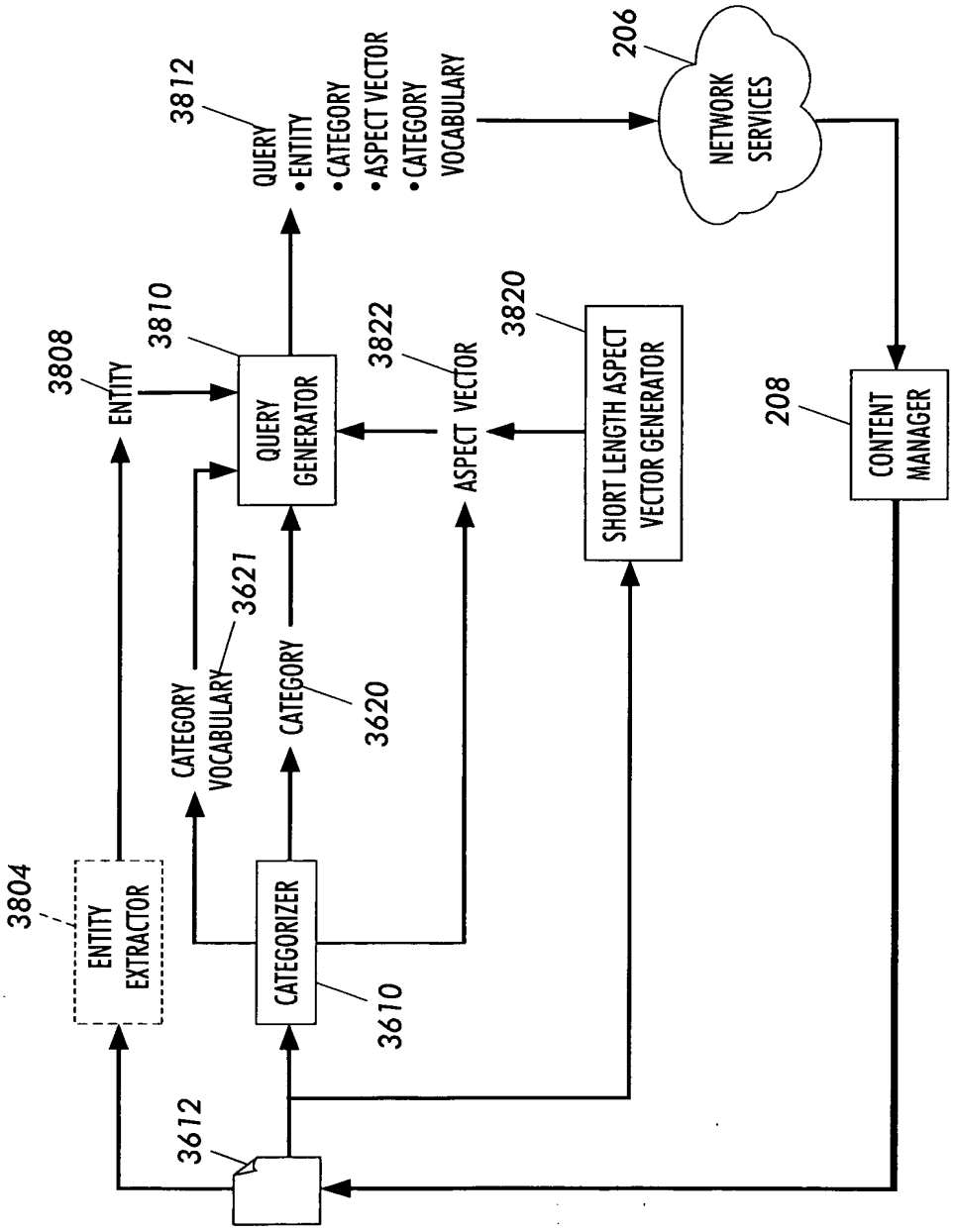

FIG. 38

OIPE
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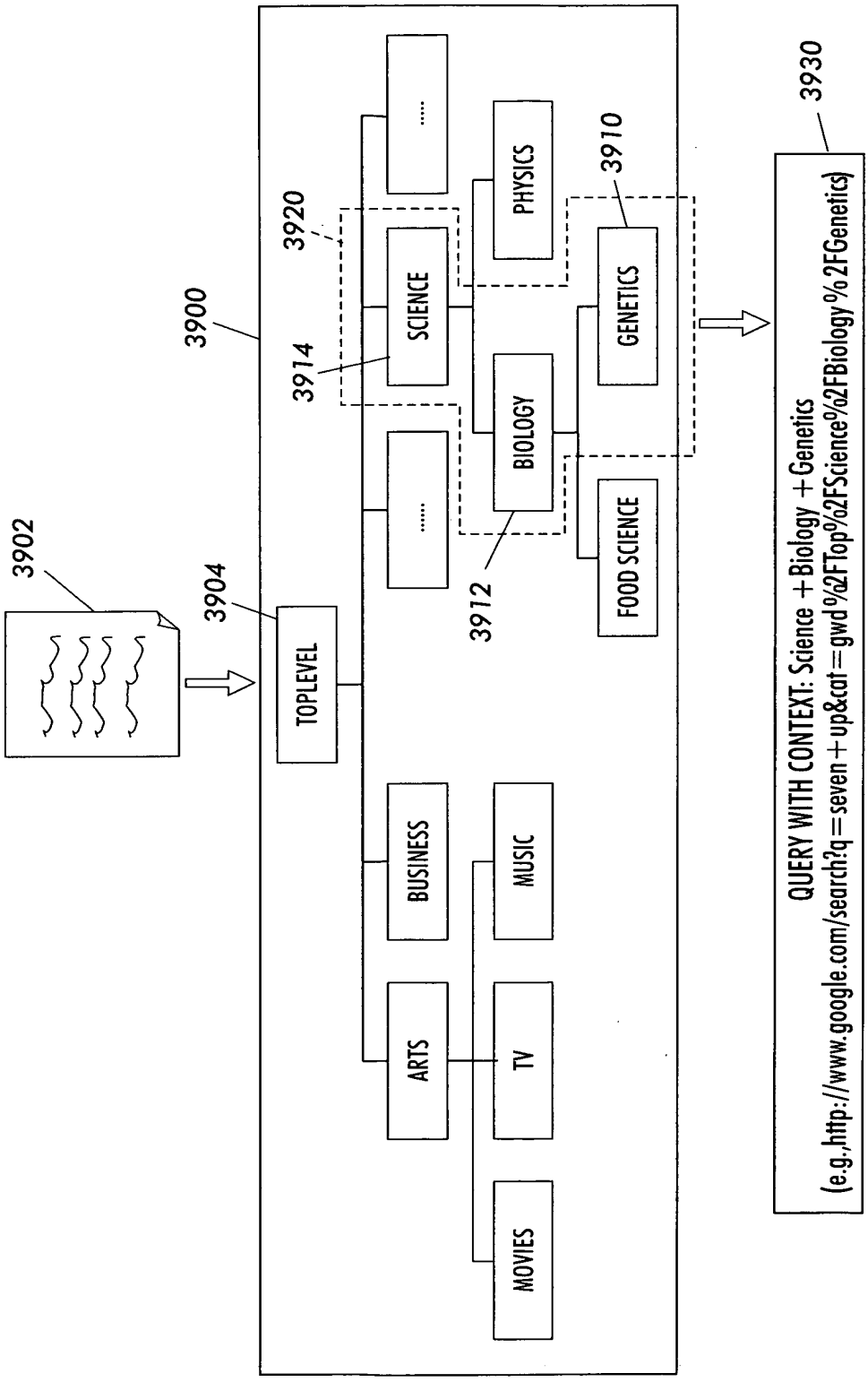

FIG. 39

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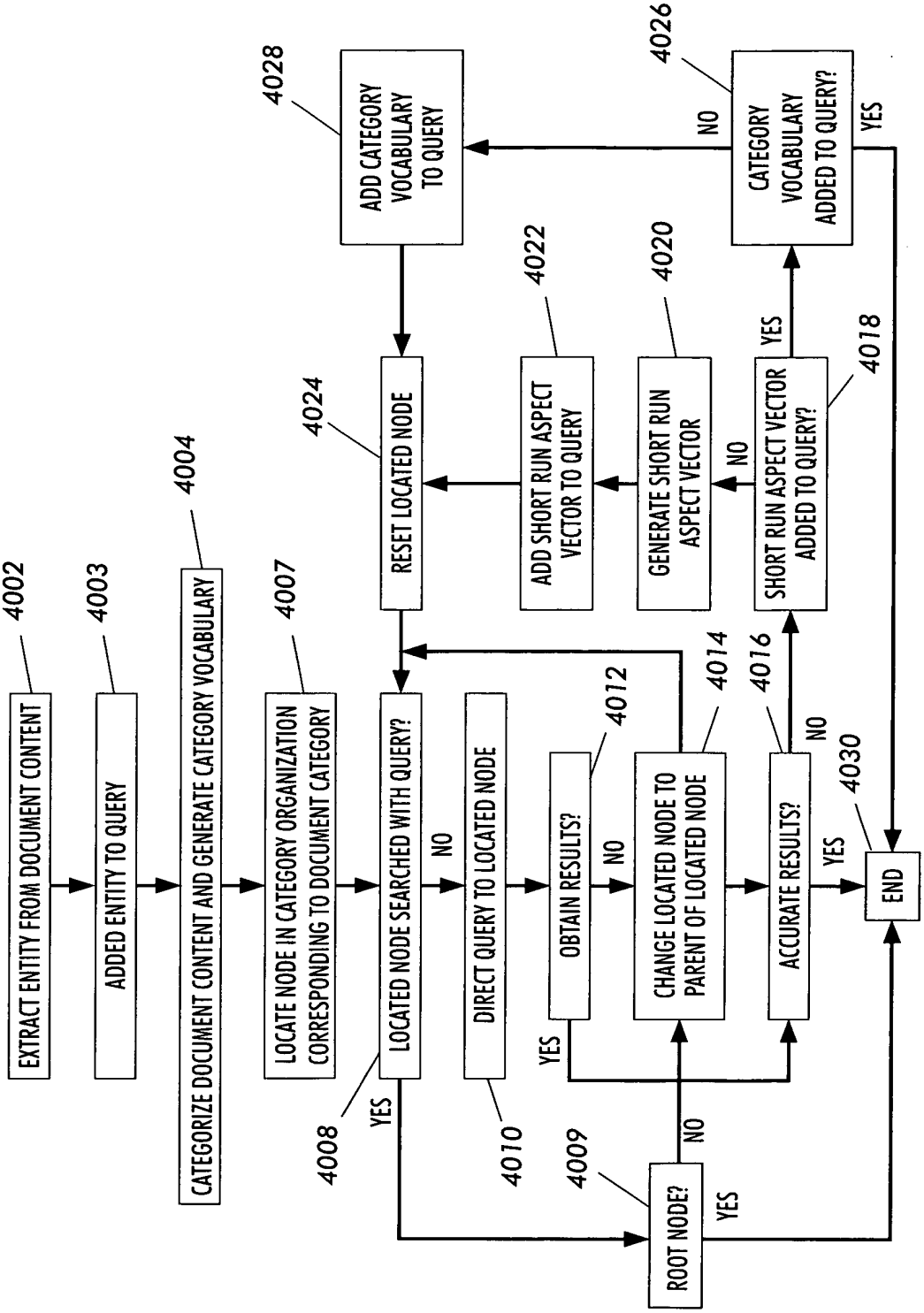

FIG. 40

OIPE JC1
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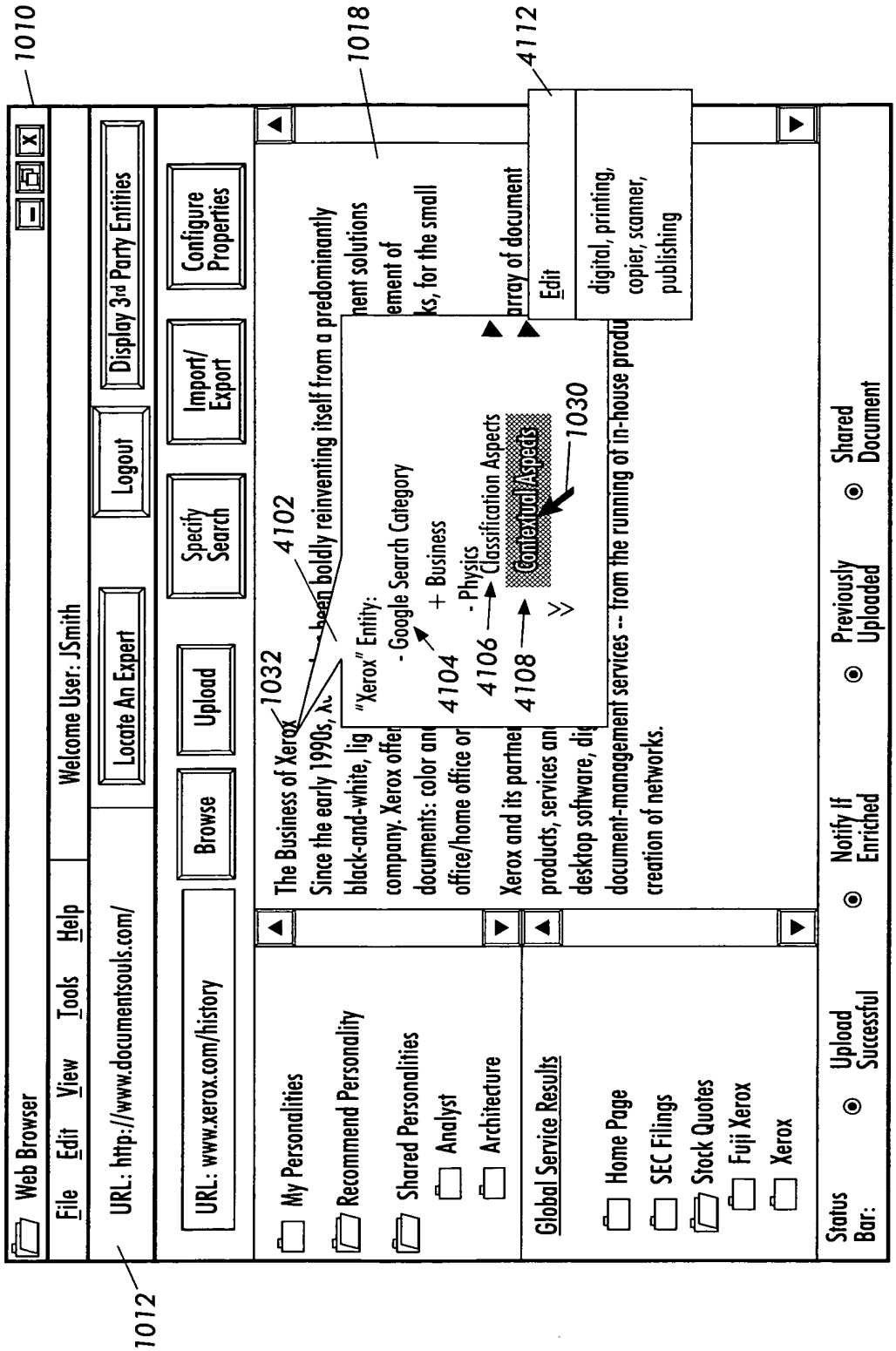

FIG. 41

OIPE JC16
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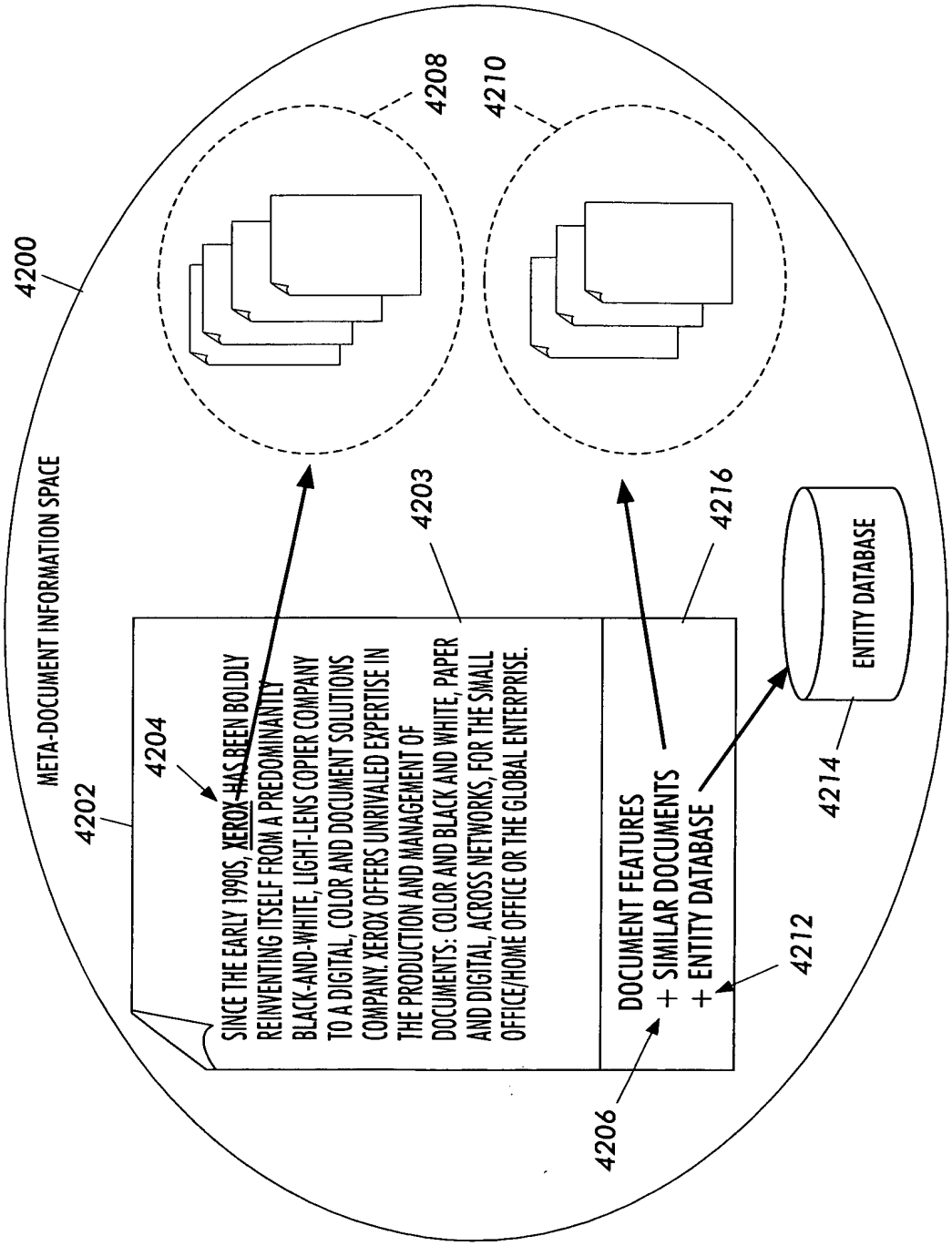

FIG. 42

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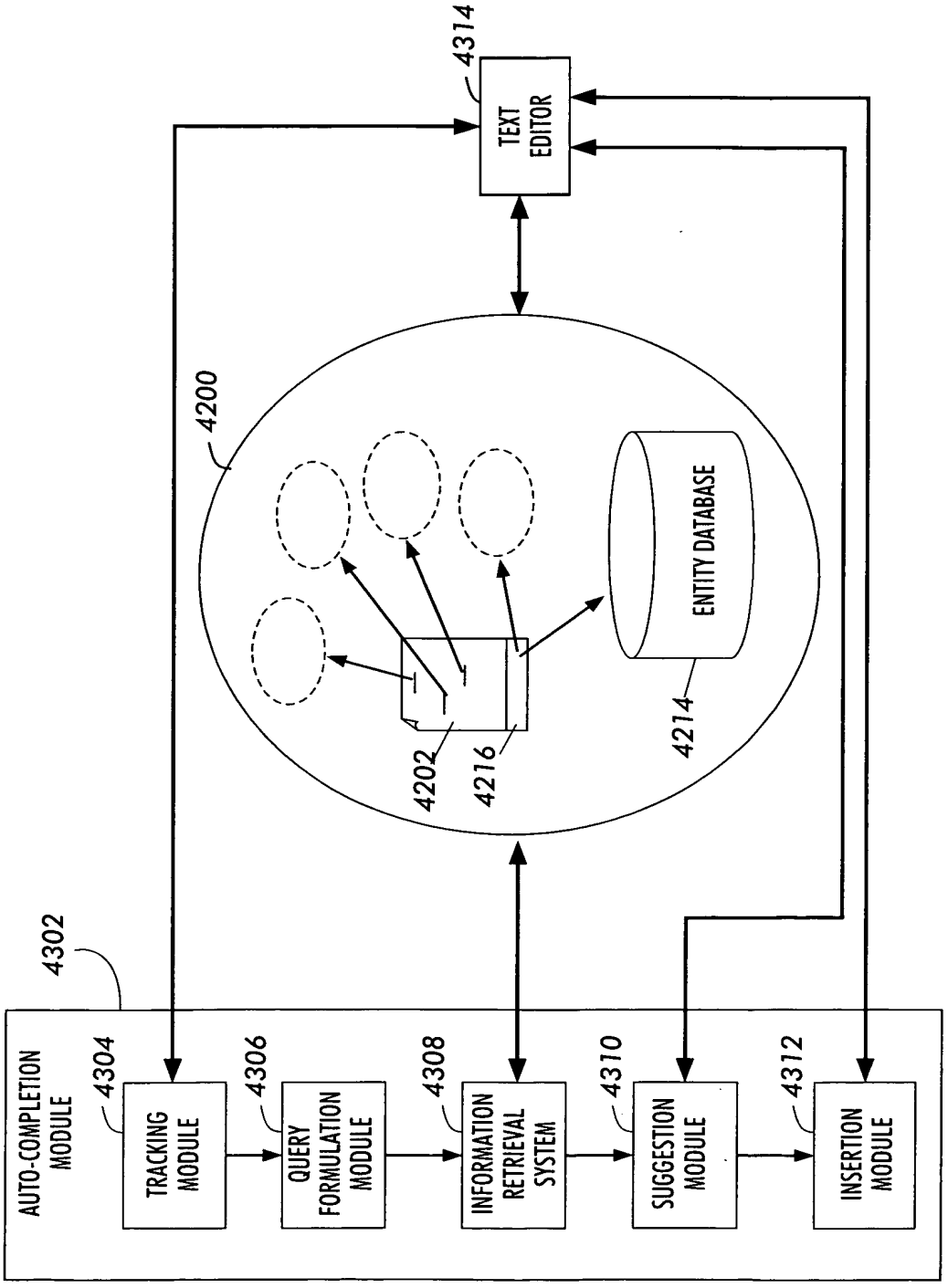

FIG. 43

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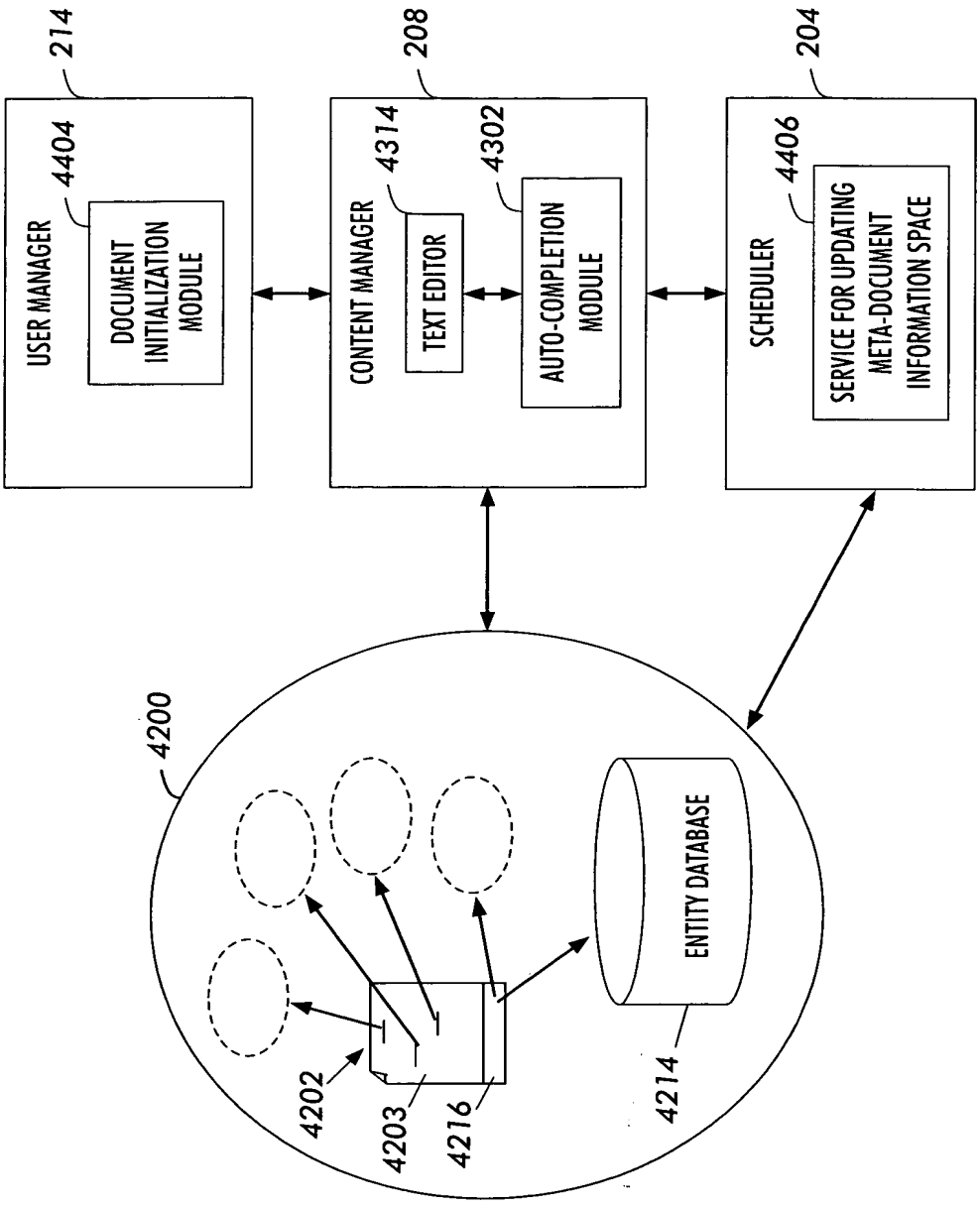

FIG. 44

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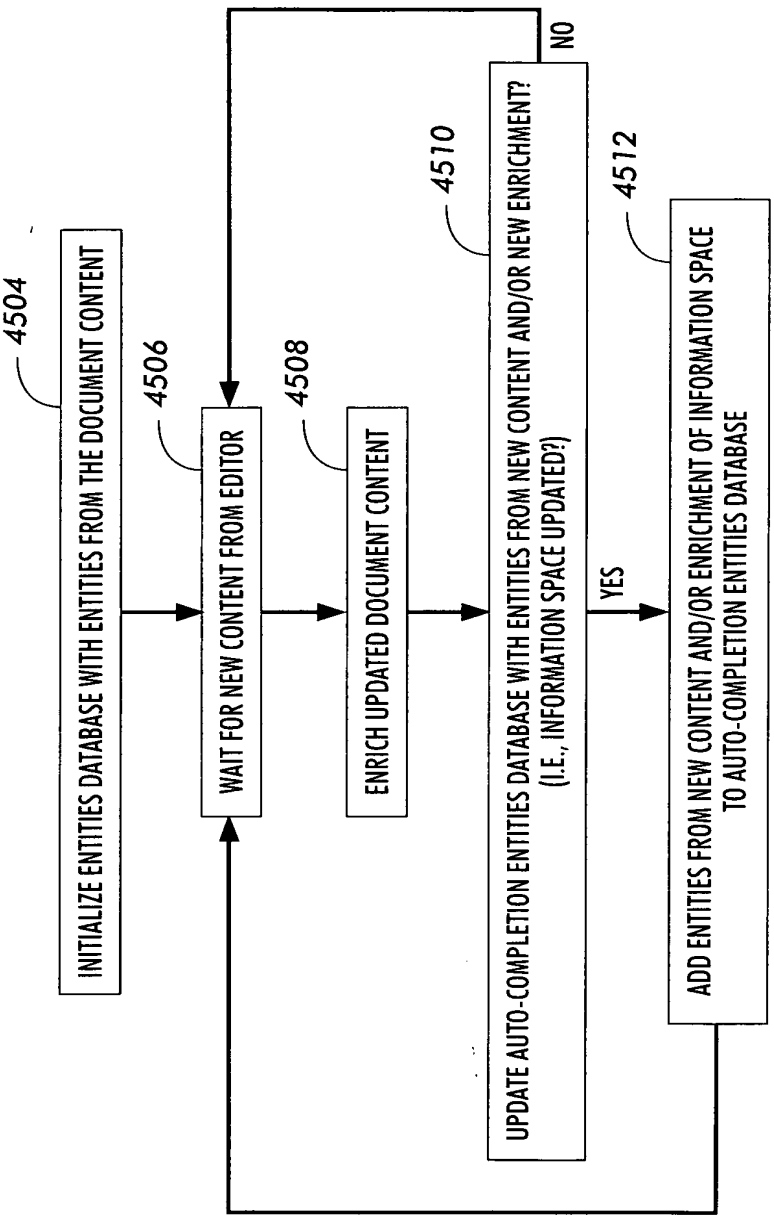

FIG. 45

OIPE JC16
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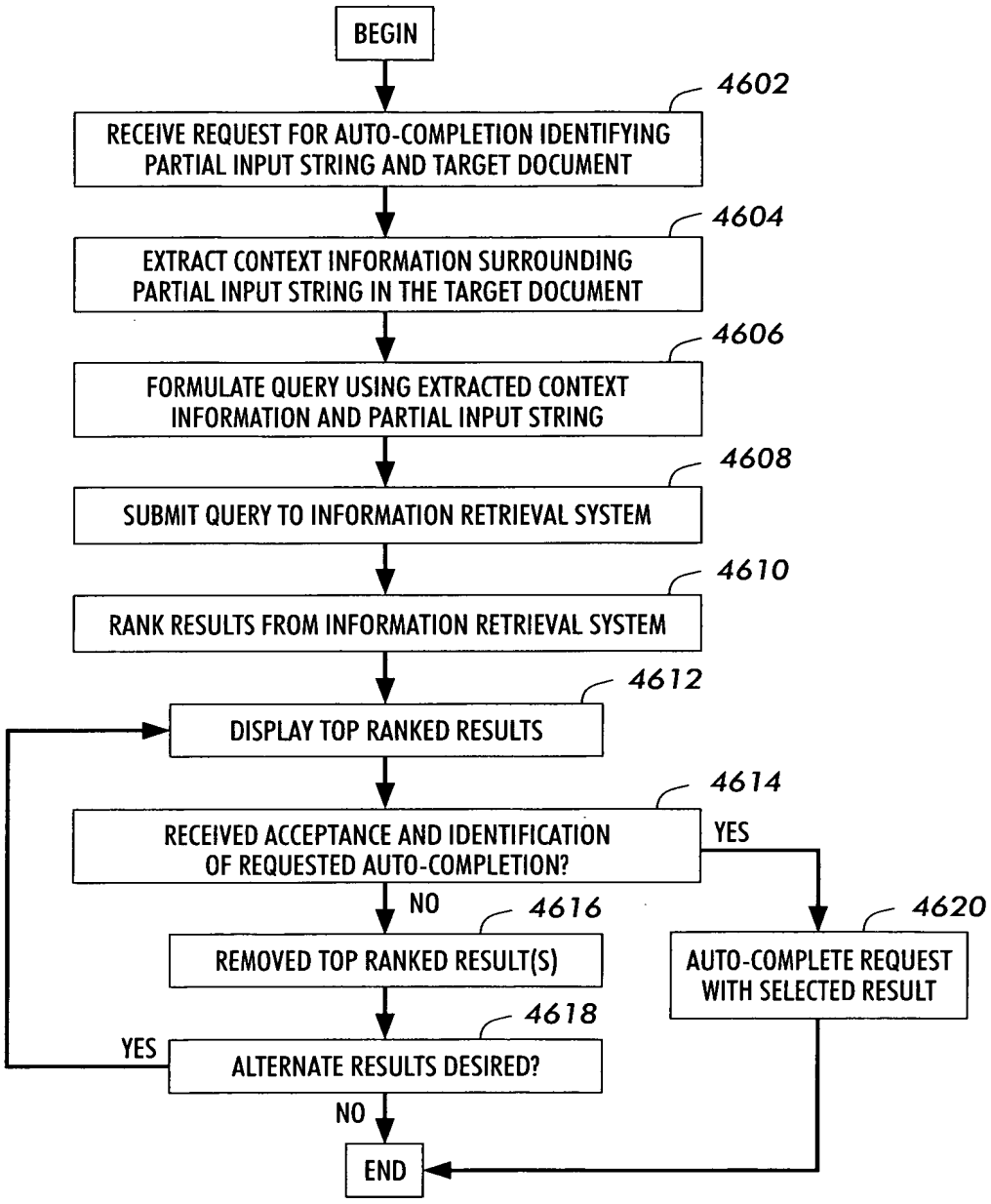

FIG. 46

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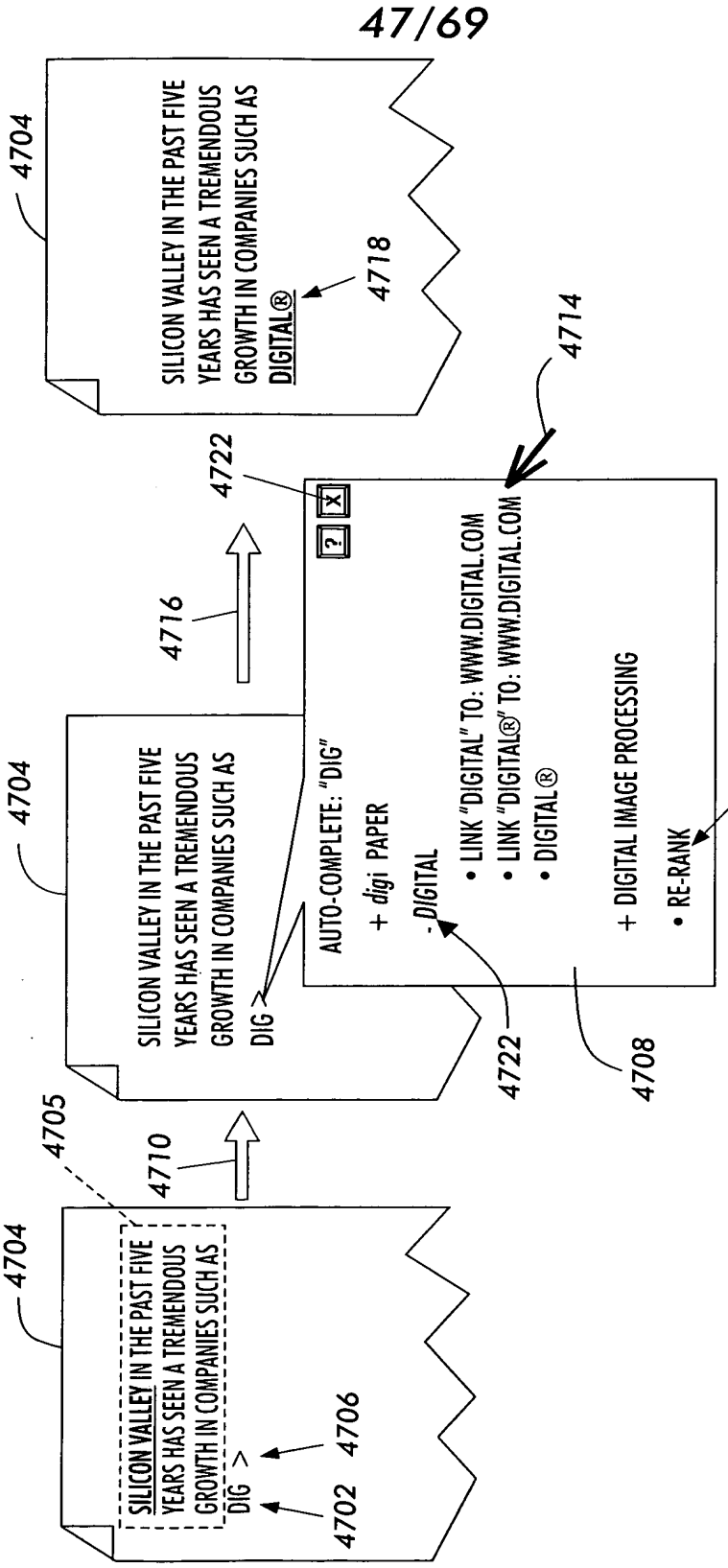

FIG. 47

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(A) KEY	(B) ENTITY	(C) MARKUP	(D) FORMAT	(E) ORIGIN	(F) ORIGIN POSITION	(G) PART OF SPEECH	(H) CONTEXT
Sili	Silicon Valley	www.siliconvalley.com	Capitalize	TARGET DOCUMENT CONTENT	1	Noun	Science
Dig	Digital	www.digital.com	®	www.digital.com	434	Adjective	Science
Dig	DigiPaper	NONE	Bold	www.parc.xerox.com	23	Noun	Science
Dig	digress	NONE	NONE	www.nytimes.com	343	Verb	Politics
...	...	...	...	...	...	...	...

FIG. 48

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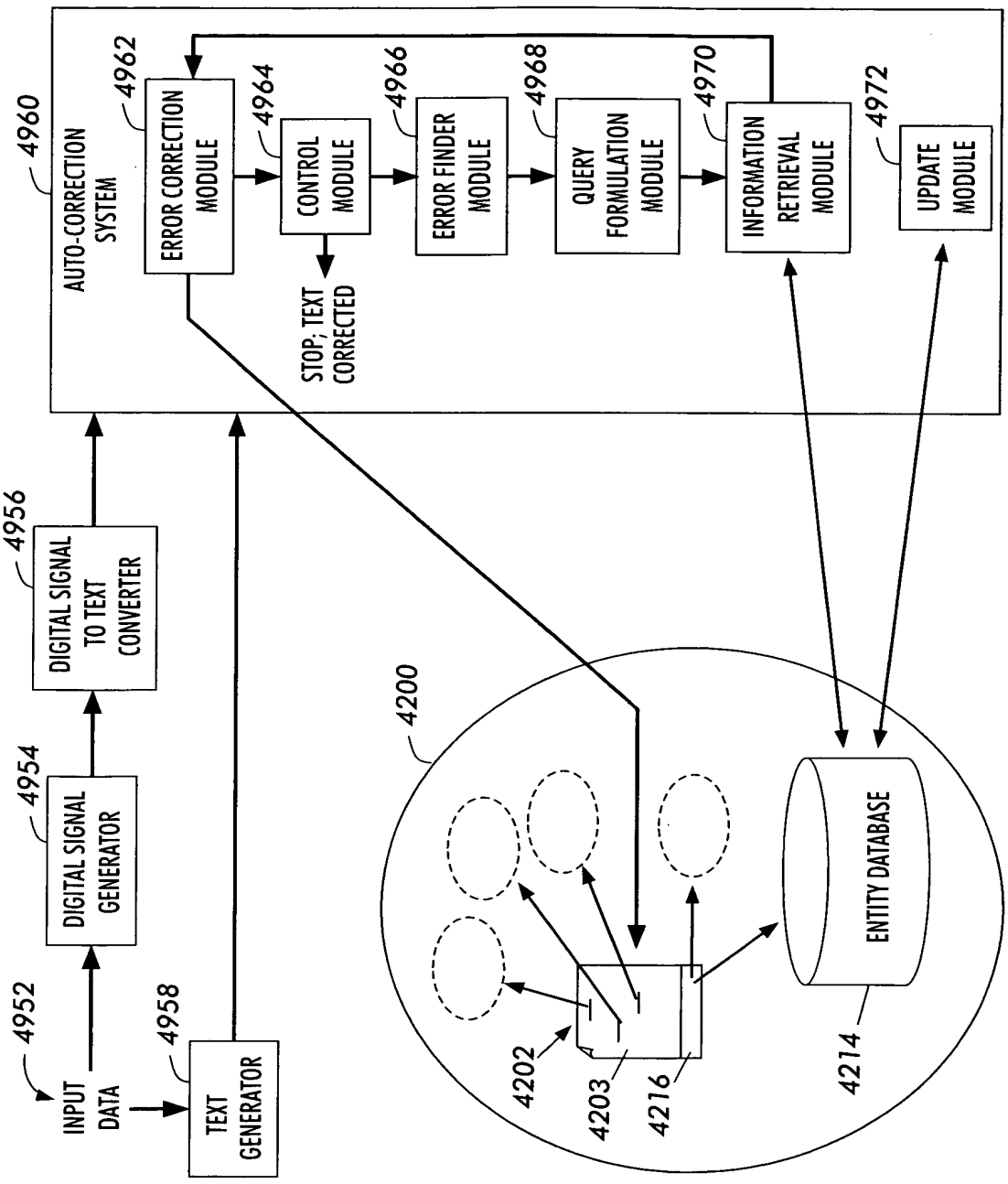

FIG. 49

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PATENT & TRADEMARK

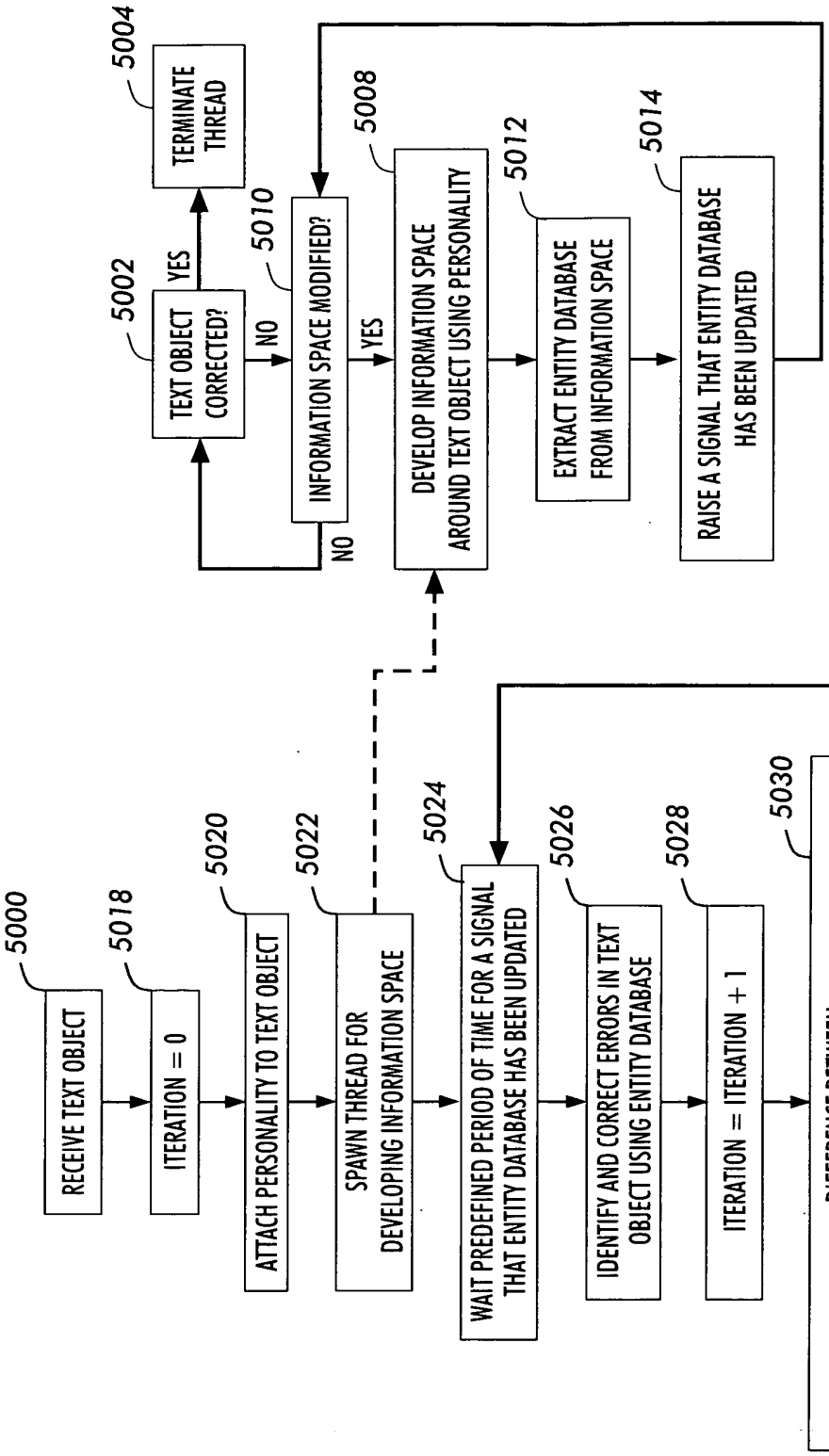

FIG. 50

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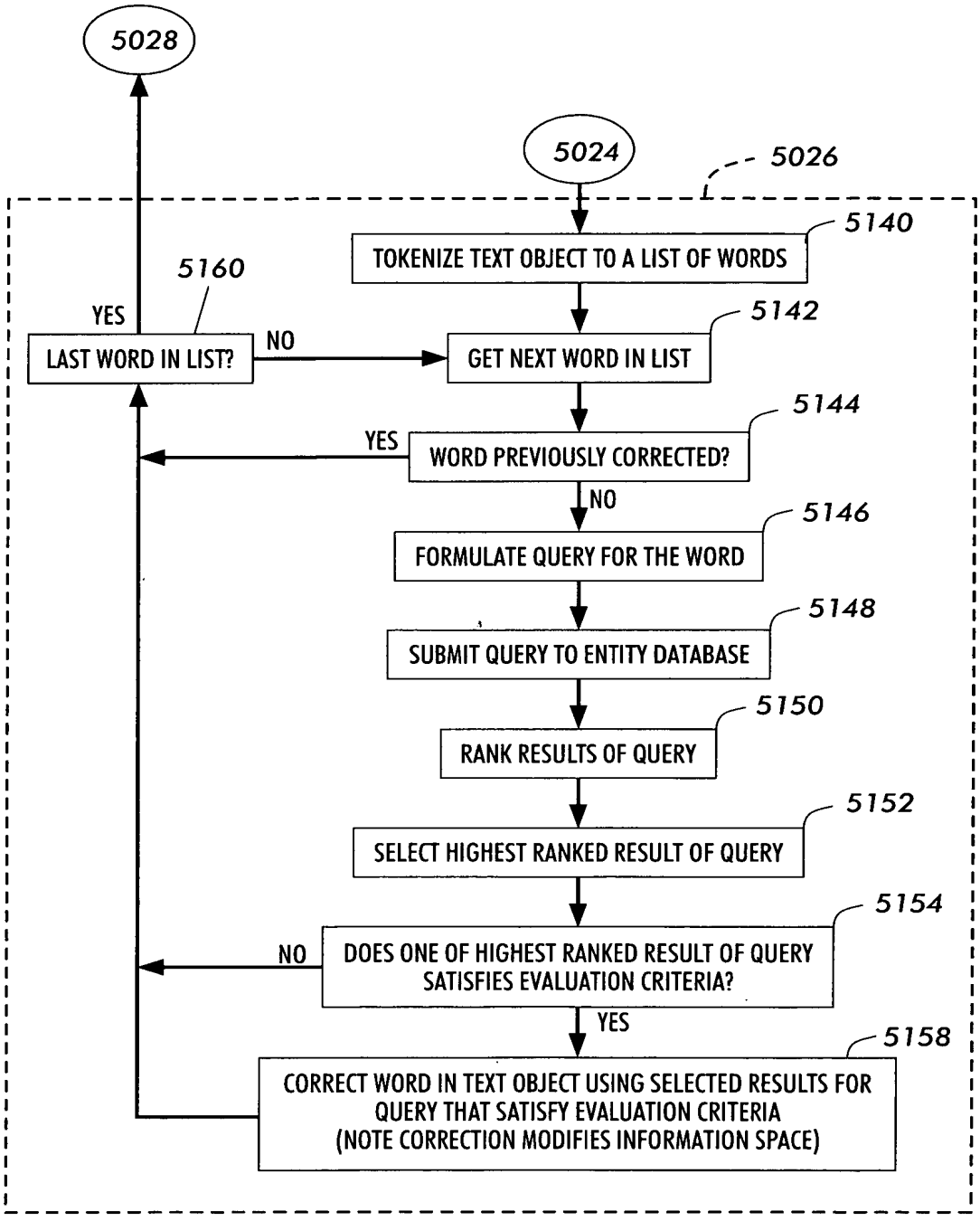

FIG. 51

OIPE
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PATENT & TRADEMARK

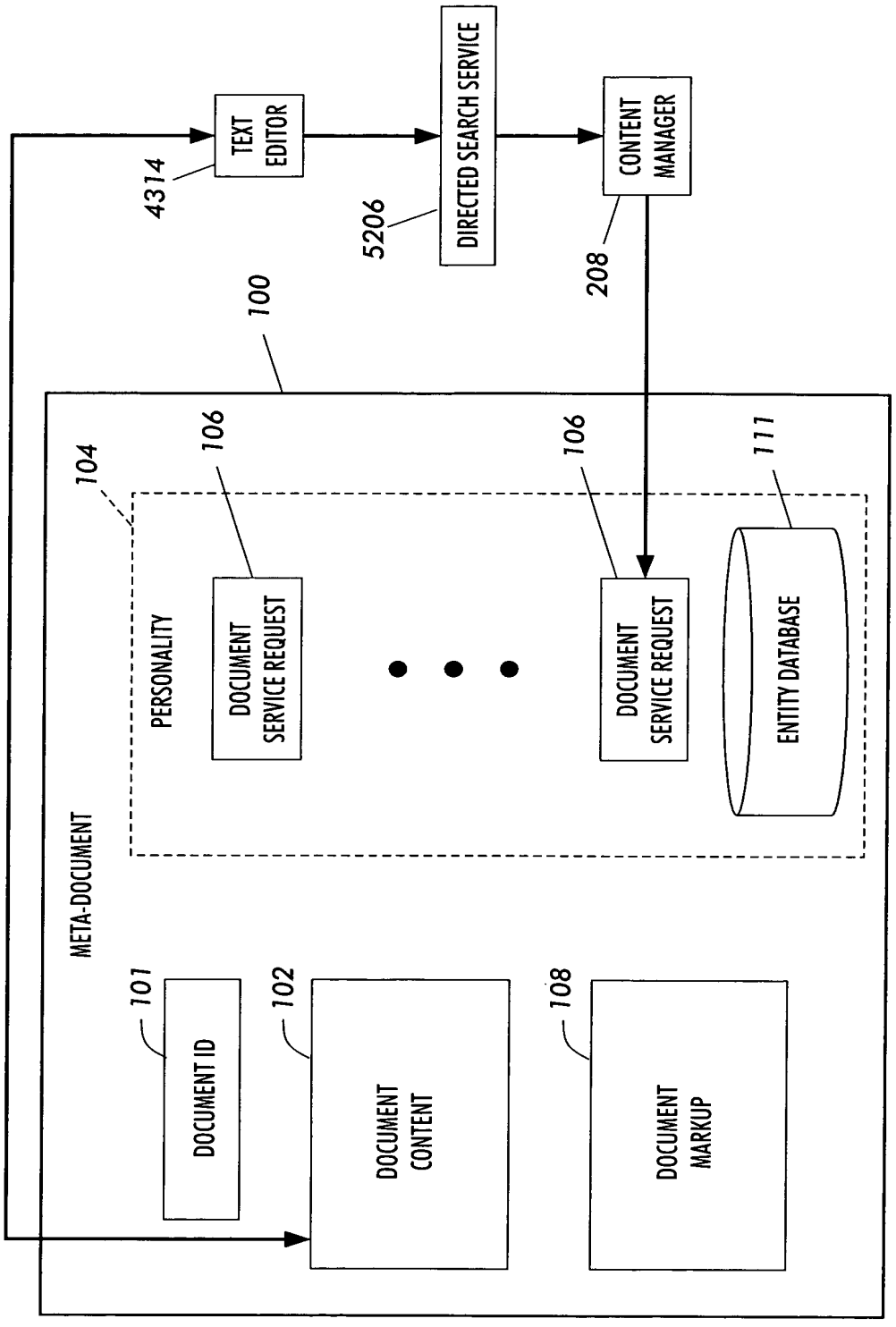

FIG. 52

OIPE JC16
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PATENT & TRADEMARK OFFICE

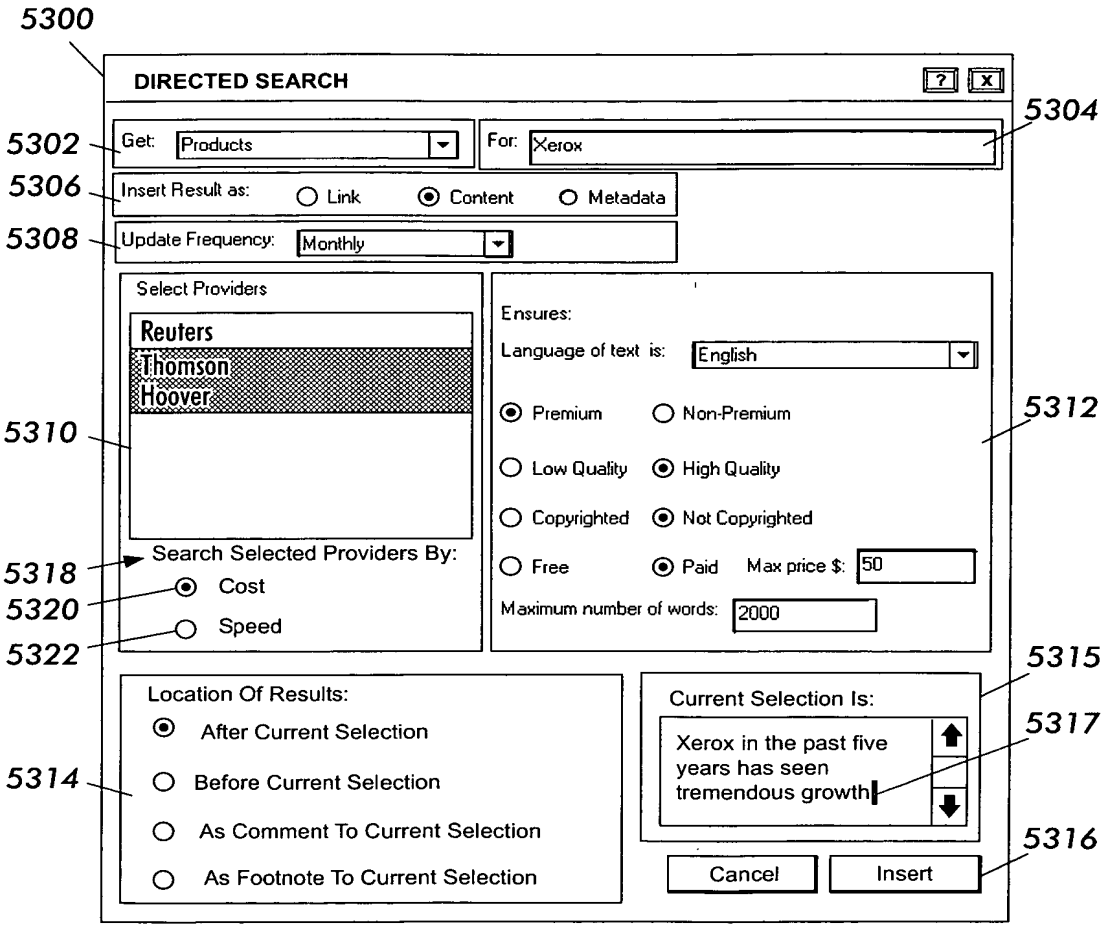

FIG. 53

OIPE
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PATENT & TRADEMARK

5400

```
<service id='Products'
    refresh=30
    insert='Content'
    language='En'
    quality='Premium&High&Not-copyrighted&paid'
    maxprice='50'
    maxwords='2000'
    search='cost'>
  <entity>Xerox
    <offsets>13 18 456 461 710 715</offsets>
    <provider name='Thomson' id=18></provider>
    <provider name='Reuters' id=19></provider>
  </entity>
</service>
```

FIG. 54

OIPE
APR 14 2003
PATENT & TRADEMARK

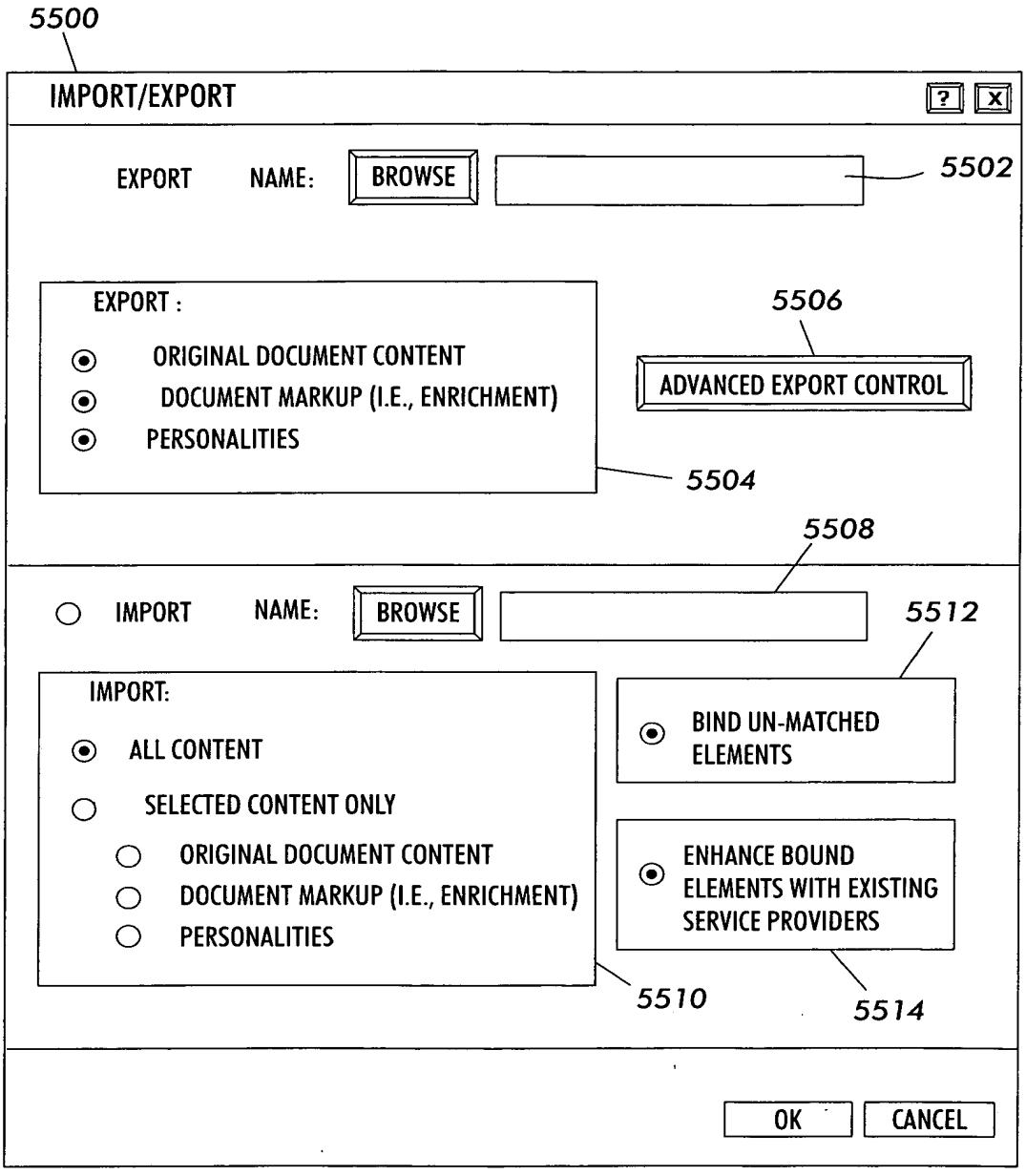

FIG. 55

OIPE
APR 16 2003
PATENT & TRADEMARK OFFICE

```
<!- SERVER ID>
<docsouls:serverid> DS v1.0 server name </docsouls:serverid>
     <!- PROPERTIES OF DOCUMENT>
     <docsouls:docid> xxx </docsouls:docid>
     <docsouls:name> xxx </docsouls:name>
<docsouls:owner> xxx </docsouls:owner>
...
<!-- ORIGINAL DOCUMENTS DOCUMENT CONTENT>
<docsouls:originaldoc format="HTML">toto.html</docsouls:originaldoc>
<docsouls:browsingdoc format="HTML">browse.html</docsouls:browsingdoc>

<!- LIST OF PERSONALITIES AND DOCUMENT SERVICE REQUESTS>
<docsouls:endowmentdescription>
     <!-- LIST OF PERSONALITIES>
     <docsouls:personality id = " " name="" etc.>
          <docsouls:service id="" name="" etc.>
               <docsouls:provider name="" etc.>
               <docsouls:provider name="" etc.>
          </docsouls:service>
     <docsouls:personality>
     ...
     <!-- LIST OF SERVICE REQUESTS>
     <docsouls:service id="" name="" etc.>
          <docsouls:provider name="" etc.>
          <docsouls:provider name="" etc.>
     </docsouls:service>
     ...
</docsouls:endowmentdescription>
```

FIG. 56

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

```
<!- DESCRIPTIONS OF PERSONALITIES>
<docsouls:personalitydescription>
     <docsouls:id> xx </docsouls:id>
     <!-- all the fields AND service categories>
     <docsouls:servicecategory id="" name = "">
</docsouls: personalitydescription>

<!- NEXT PERSONALITY DESCRIPTION>
...

<!- DESCRIPTION OF DOCUMENT SERVICE REQUESTS>
<docsouls:servicedescription>
     <docsouls:id> xx </docsouls:id>
     <!-- list all fields (e.g., "refresh period", category, etc.)>
     <!-- list all providers>
     <docsouls:provider id="" name = "">
     <!-- list all strategies>
     <!-- list status of services (original, frozen, mapped, etc.)>
     <docsouls:servicestatus status="mapped" originalid="" originalserver="">
     <!-- list ServerId if the service was not available on current server>
     <docsouls:serverid>id</docsouls:serverid>
</docsouls:servicedescription>

<!- NEXT SERVICE REQUESTS DESCRIPTION>
...
```

FIG. 57

PATENT & TRADEMARK OFFICE
APR 14 2003
OIPE
JC18

```
<!- DESCRIPTION OF PROVIDERS>
<docsouls:providerdescription>
     <docsouls:id> xx </docsouls:id>
     <!-- all the fields e.g. key, URL, etc.>
</docsouls: providerdescription >

<!- DESCRIPTION OF DICTIONARIES>
<docsouls:dictionarydescription>
     <docsouls:id> xx </docsouls:id>
     <!-- all the fields, e.g. category>
</docsouls:dictionarydescription>

<!- DESCRIPTION OF STRATEGY>
<docsouls:strategydescription>
     <docsouls:id> xx </docsouls:id>
     <!-all the fields>
     <!-all the dictionaries>
</docsouls:strategydescription>

<!- RESULTS OF GLOBAL SERVICES >
<docsouls:globalservice id="Summary">
     <docsouls:link> xxx </docsouls:link>
     <docsouls:content> xxx </docsouls:content>
</docsouls:globalservice>

<!- OTHER RESULTS (E.G. KEYWORDS, CATEGORIES, ETC.>
```

FIG. 58A

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09/683,238

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

```
<!- (OPTIONAL) DESCRIPTION OF ENRICHMENT PERFORMED AT OTHER DOCUMENT ENRICHMENT
SYSTEMS>
<docsouls:serverid>olderServerId</docsouls:serverid>
<docsouls:personalitydescription>...</docsouls: personalitydescription>
<docsouls:servicedescription>...</docsouls:servicedescription>

<!- (OPTIONAL) LIST OF RESULTS OF THE LAST ENRICHMENT>
     <!- IDENTIFY DOCUMENT SECTION IN CASE OF MULTI-PART DOC>
     <docsouls:docpart>main_frame.html</docsouls:docpart>
     <!- OFFSET WHEN ENRICHMENT APPLIES TO A SECTION>
     <docsouls:offset> 0 200 </docsouls:offset>
     <!- STATUS OF SERVICE APPLIED ("ACTIVE" OR "FROZEN")>
     <docsouls:service id="StockQuote" status="active">
          <!-- ENTITY>
          <docsouls:entity>Xerox
               <!-- NORMALIZED FORM >
               <docsouls:normform>Xerox</docsouls:normform>
               <!-- LIST OF OFFSETS WHERE ENTITY IS FOUND IN TEXT RELATIVE TO SECTION>
               <docsouls:offsets start=35 end=40 />
               <docsouls:offsets start=232 end=237 />
               <!-- DICTIONARIES >
               <docsouls:dict> xxx </docsouls:dict>
               <!-- STRATEGIES >
               <docsouls:strat> xxx </docsouls:strat>
               <!-- LINK INFORMATION >
               <docsouls:link> xxx </docsouls:link>
               <!-- CONTENT INFORMATION >
               <docsouls:content> xxx </docsouls:content>
          </docsouls:entity>
          <!-- NEXT ENTITY>
          ...
     </docsouls:service>
```

FIG. 58B

OIPE
APR 14 2003
PATENT & TRADEMARK

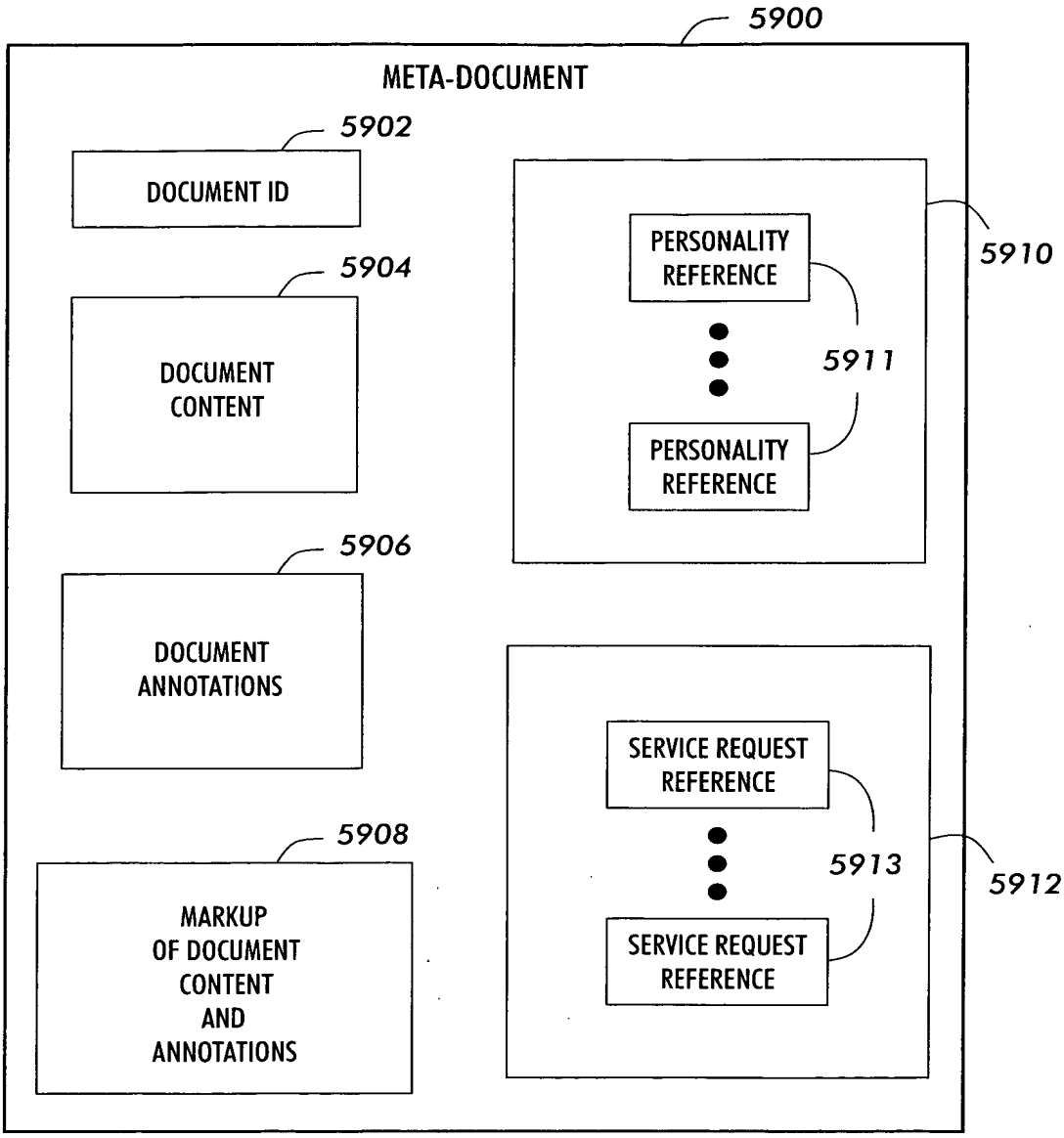

FIG. 59

OIPE
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PATENT & TRADEMARK OFFICE

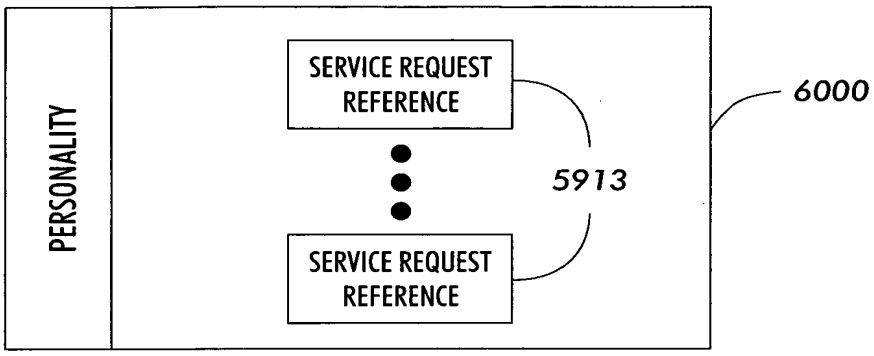

FIG. 60

OIPE JC16
APR 14 2003
PATENT & TRADEMARK OFFICE

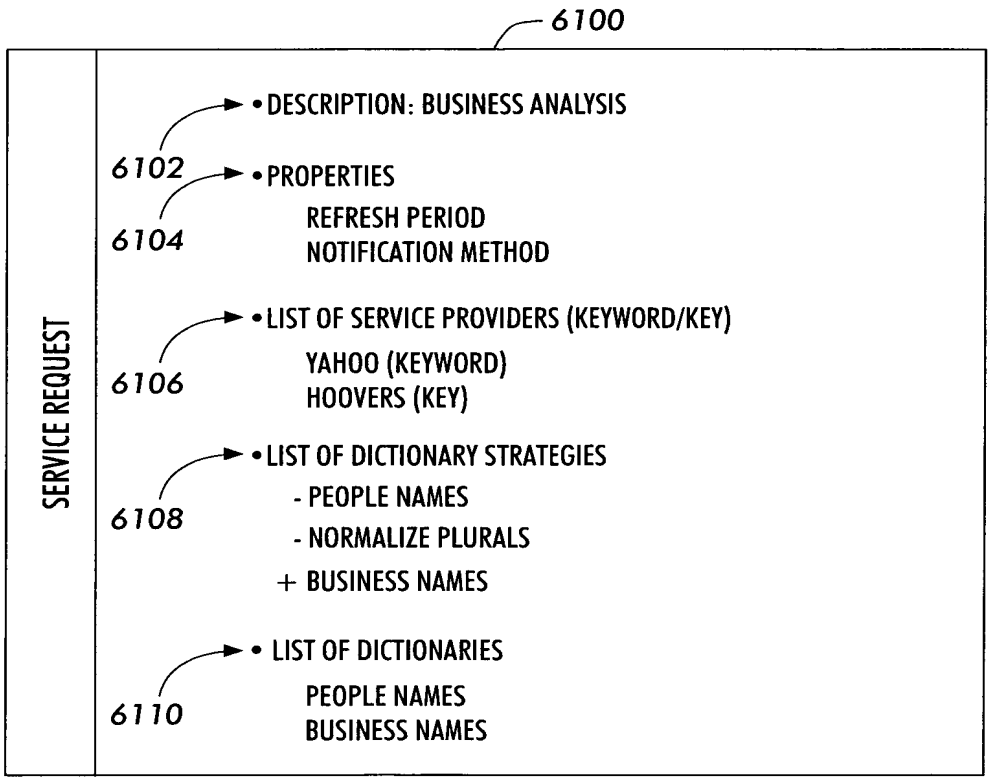

FIG. 61

OIPE JC18
APR 14 2003
PATENT & TRADEMARK OFFICE

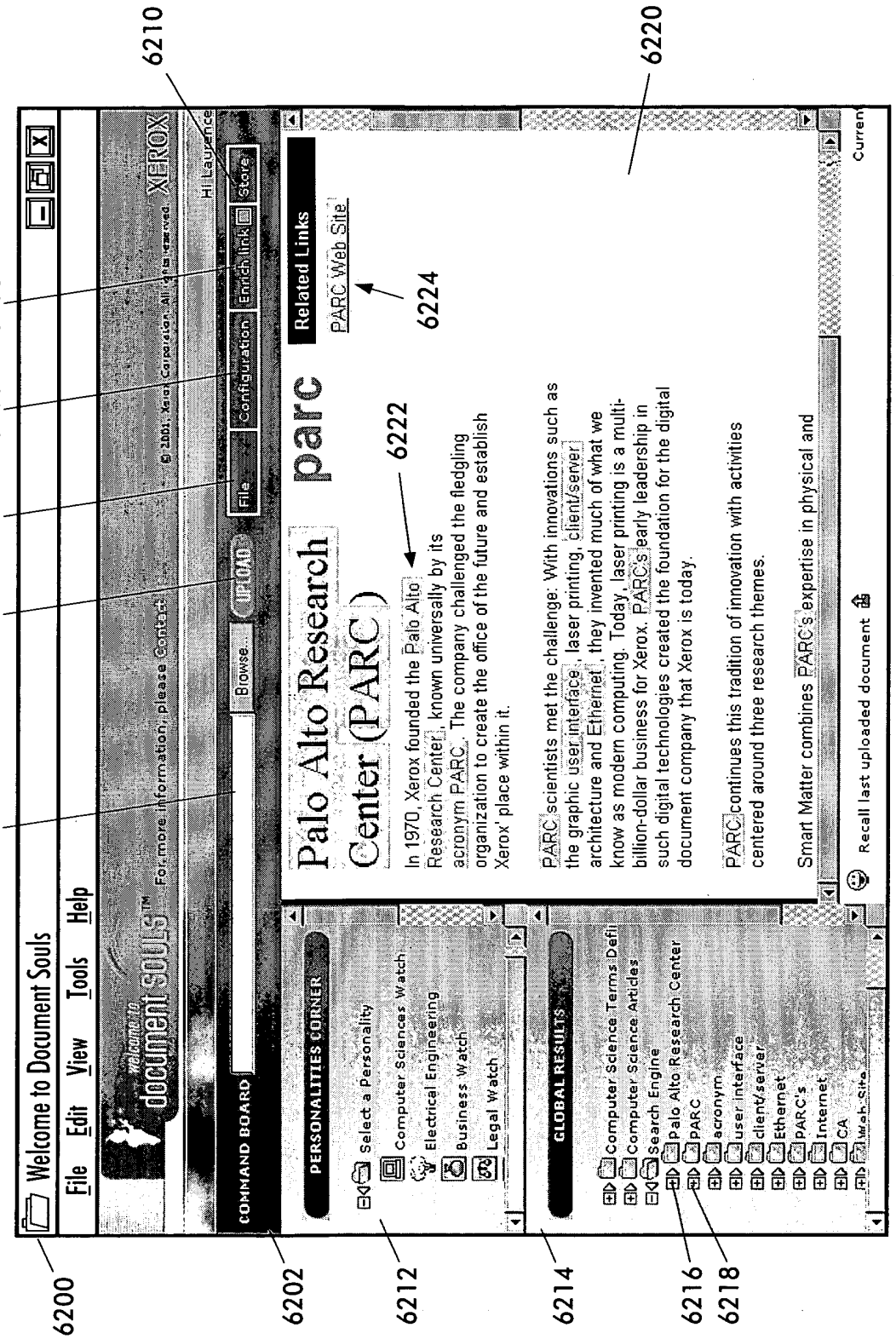

FIG. 62

OIPE JC14
APR 14 2003
PATENT & TRADEMARK OFFICE

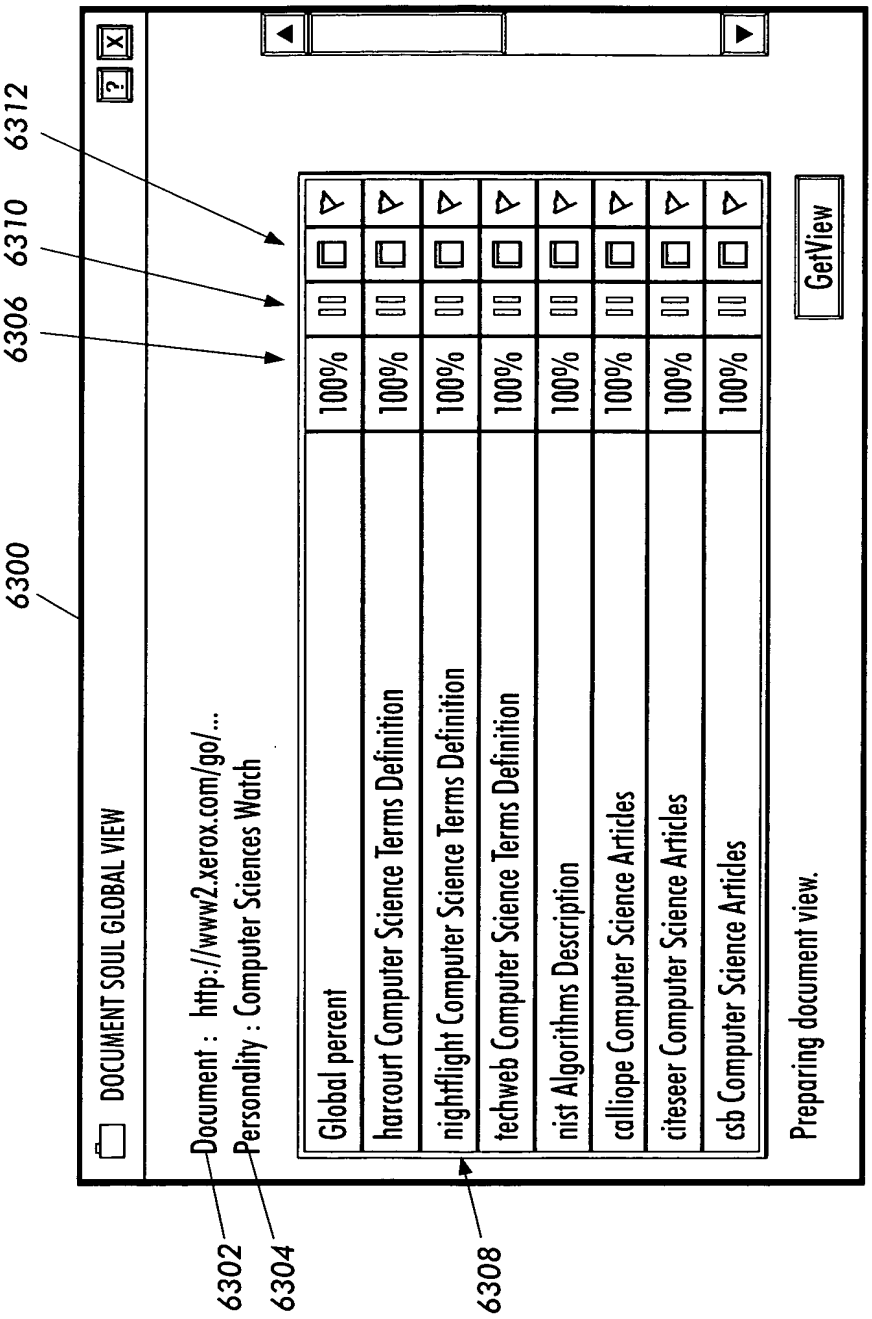

FIG. 63

OIPE
APR 16 2003
PATENT & TRADEMARK OFFICE

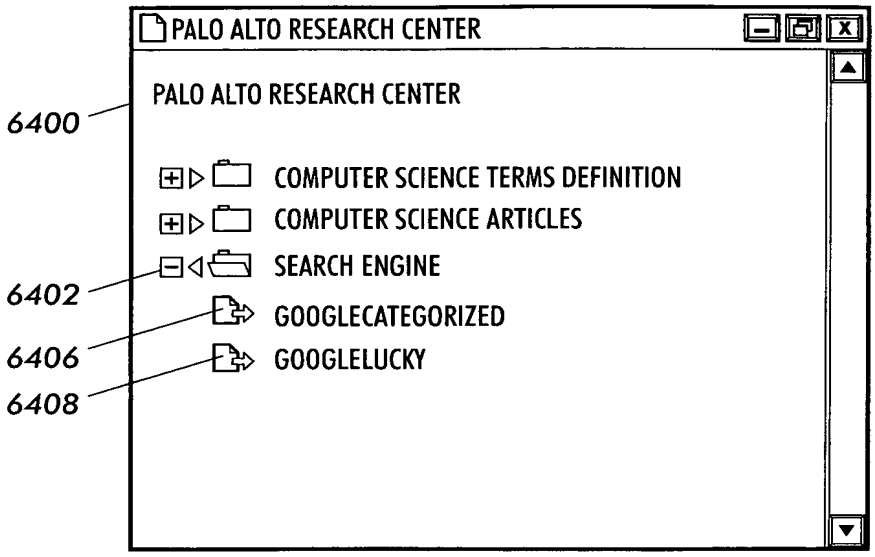

FIG. 64

OIPE JC1
APR 14 2003
PATENT & TRADEMARK OFFICE

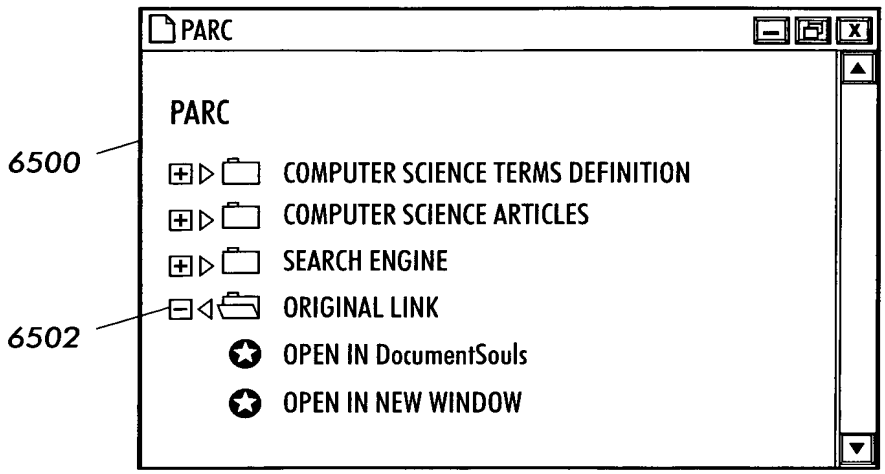

FIG. 65

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

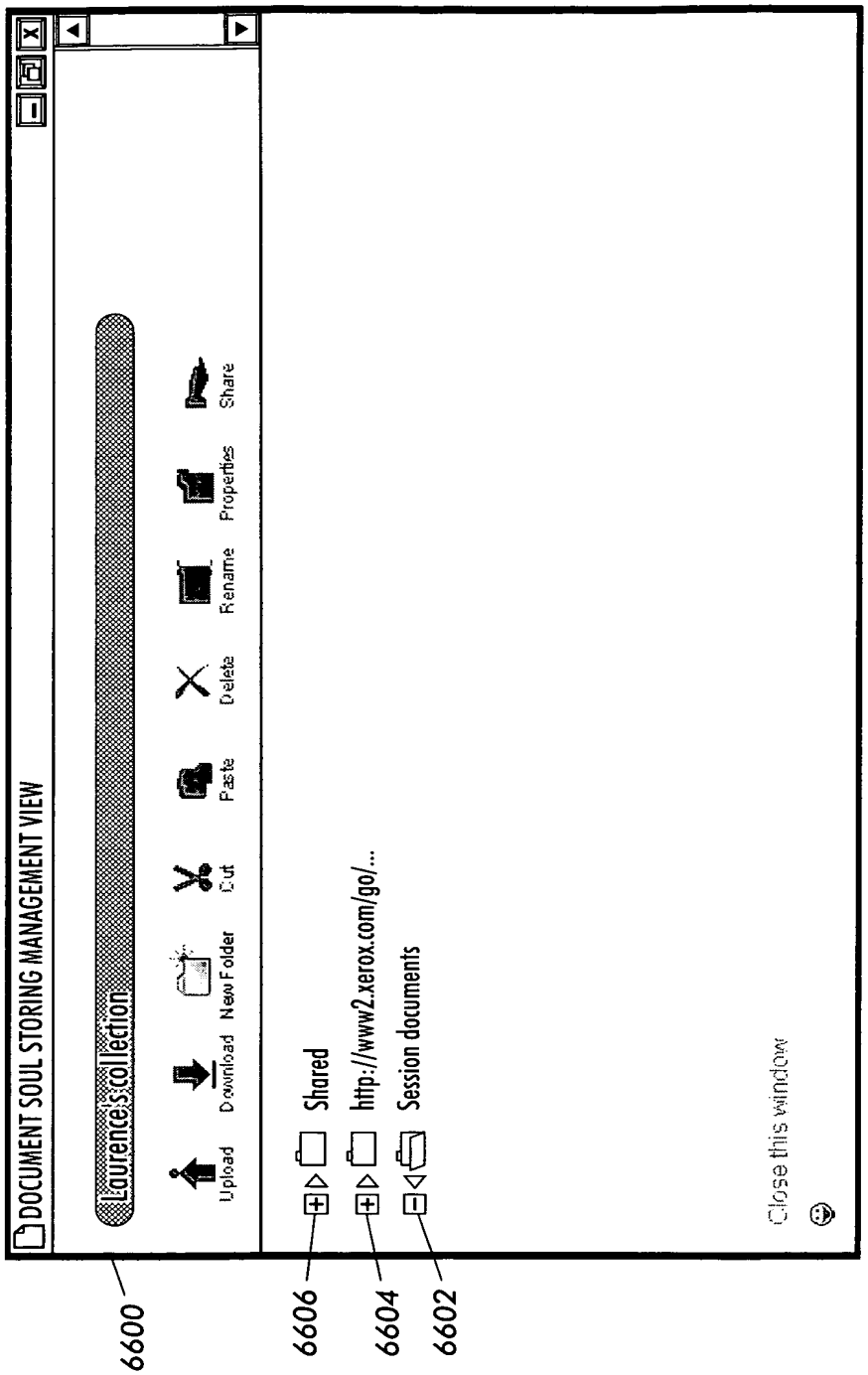

FIG. 66

OIPE
APR 14 2003
PATENT & TRADEMARK

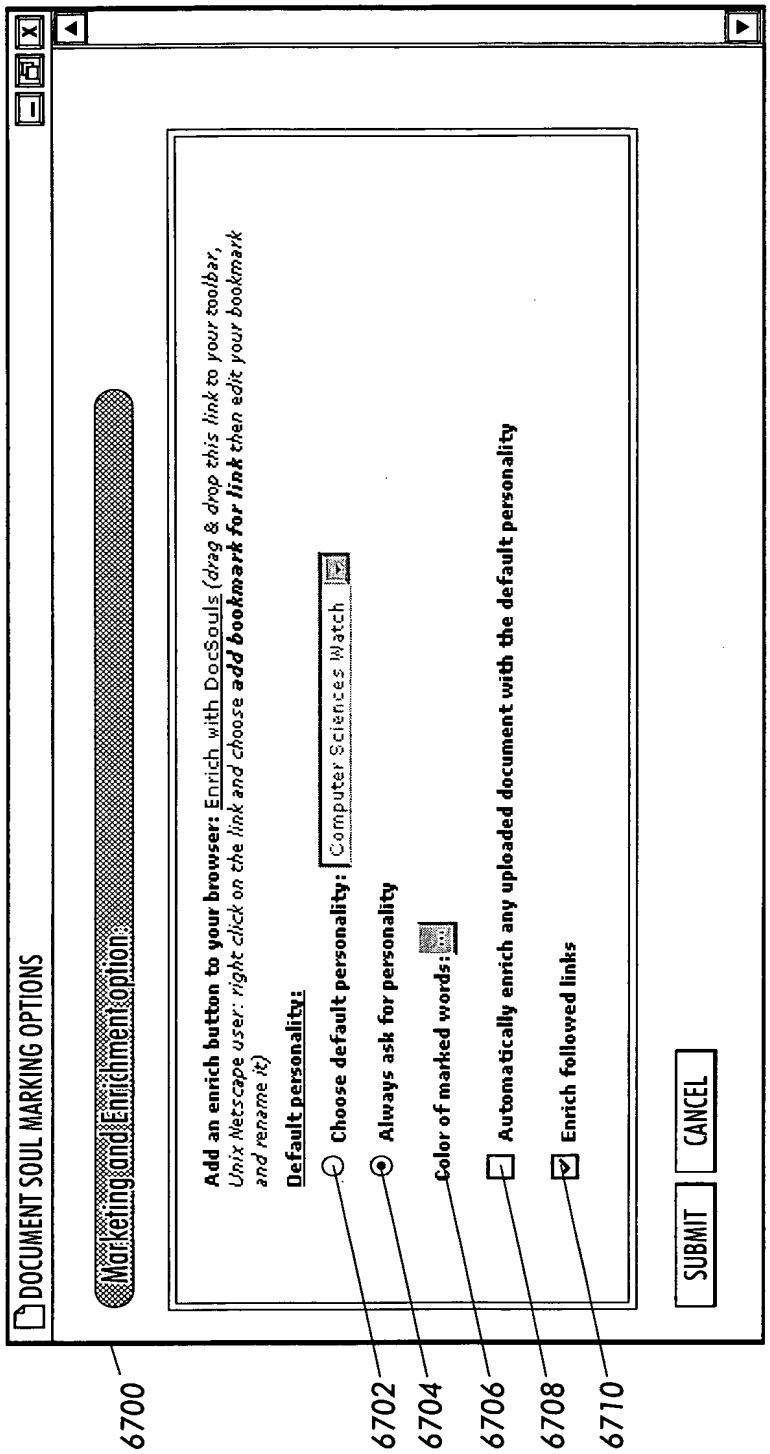

FIG. 67

OIPE
APR 14 2003
PATENT & TRADEMARK OFFICE

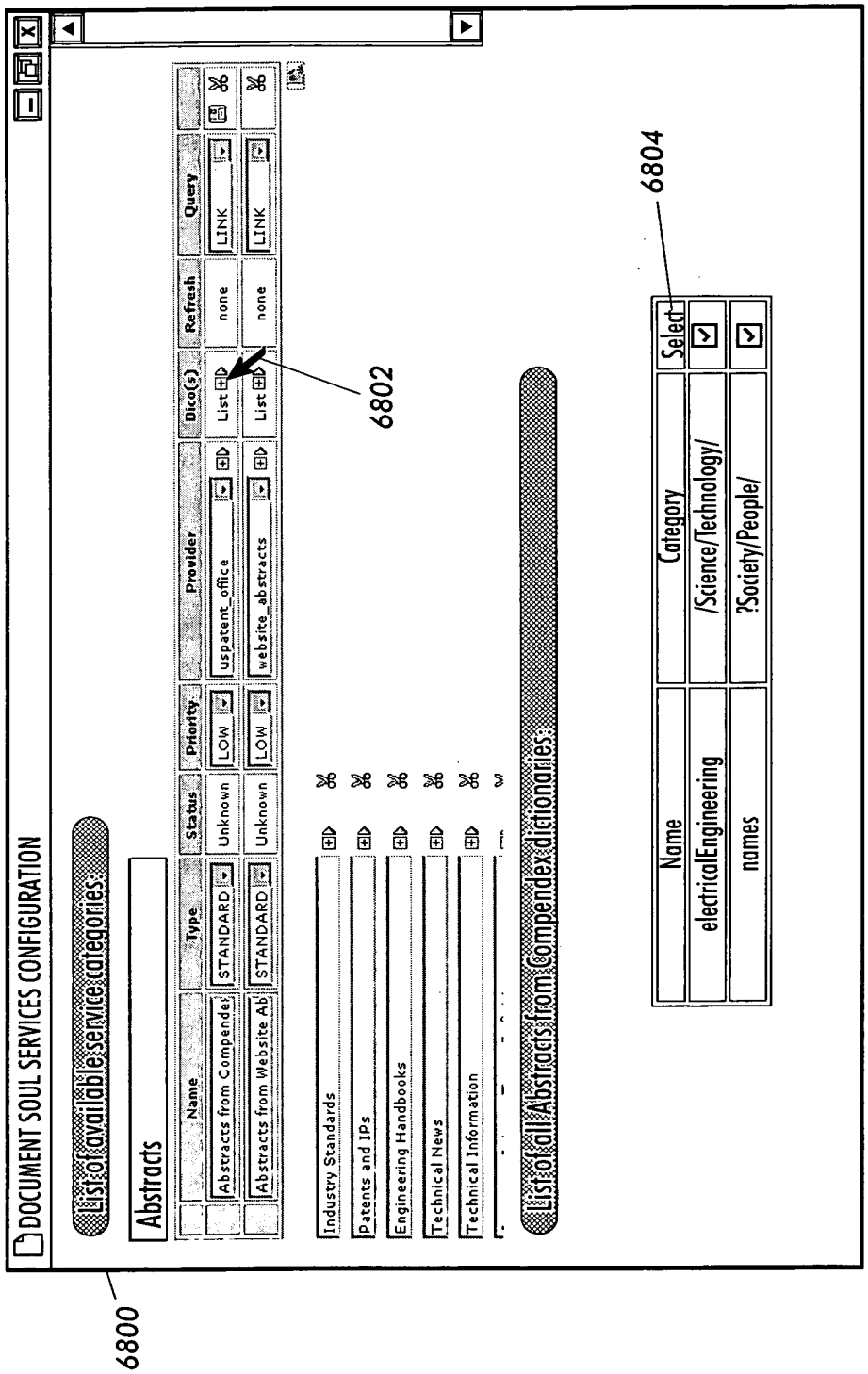

FIG. 68